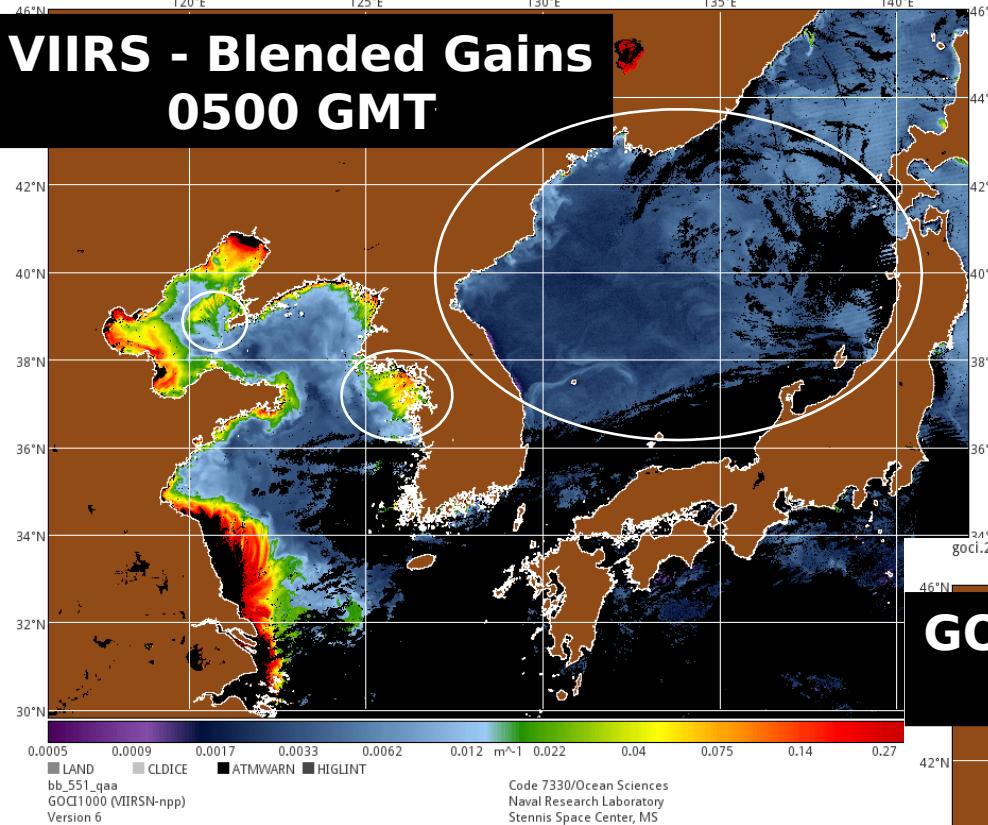


npp.2016140.0519.D_L4_GOCI1000.viirsn.v06.750m.h5

Total backscattering at 551 nm, QAA algorithm
125°E 130°E 135°E 140°E

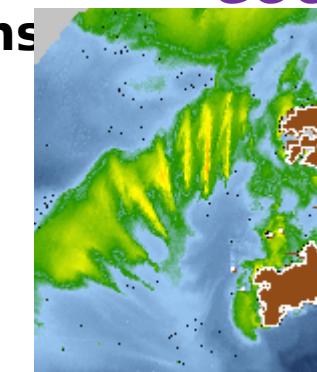
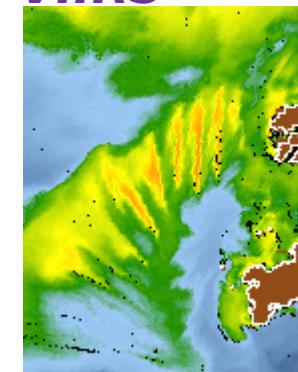
Thu May 19 03:24:16 2016

VIIRS - Blended Gains 0500 GMT



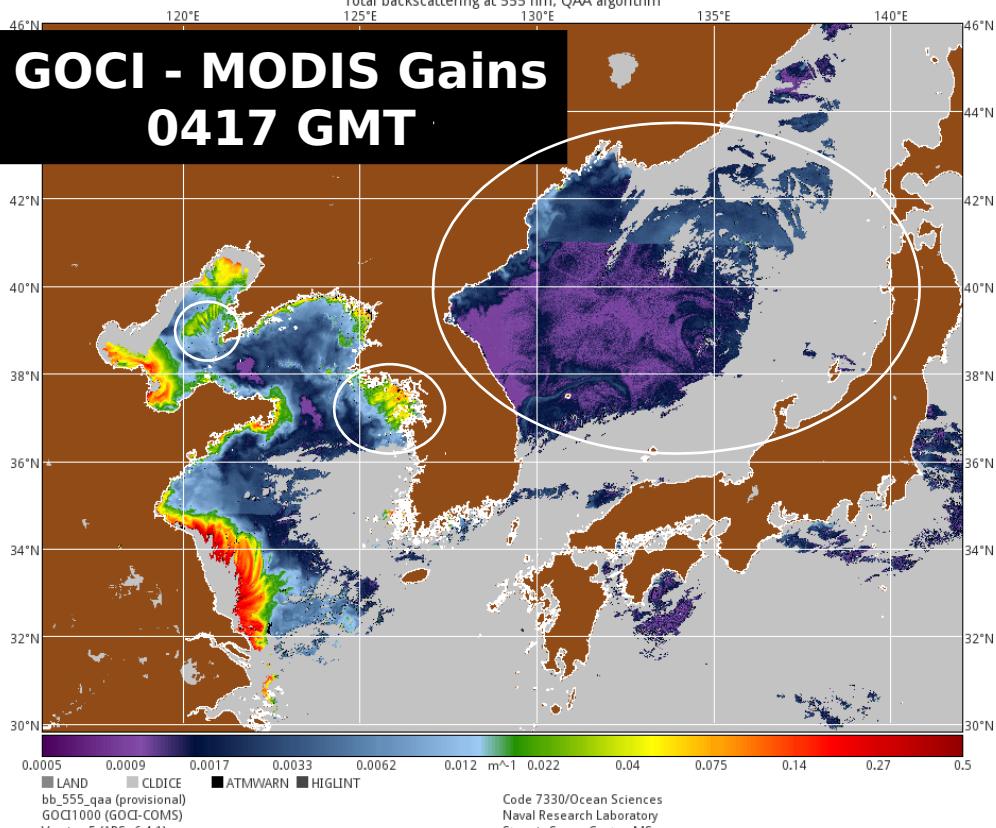
May 19, 2016 - bb_555_qaa -
v6.4/16.0

VIIRS Gains Ensemble GOCI

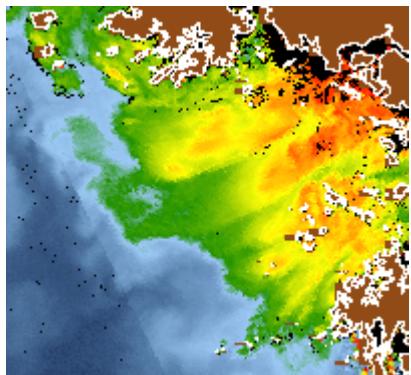


Thu May 19 04:28:47 2016

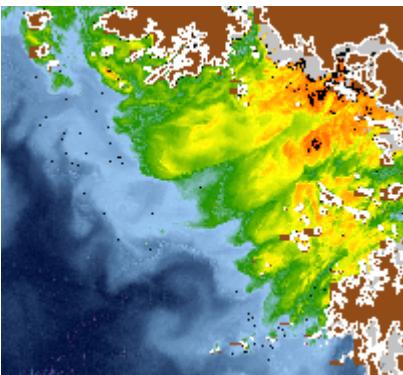
GOCCI - MODIS Gains 0417 GMT

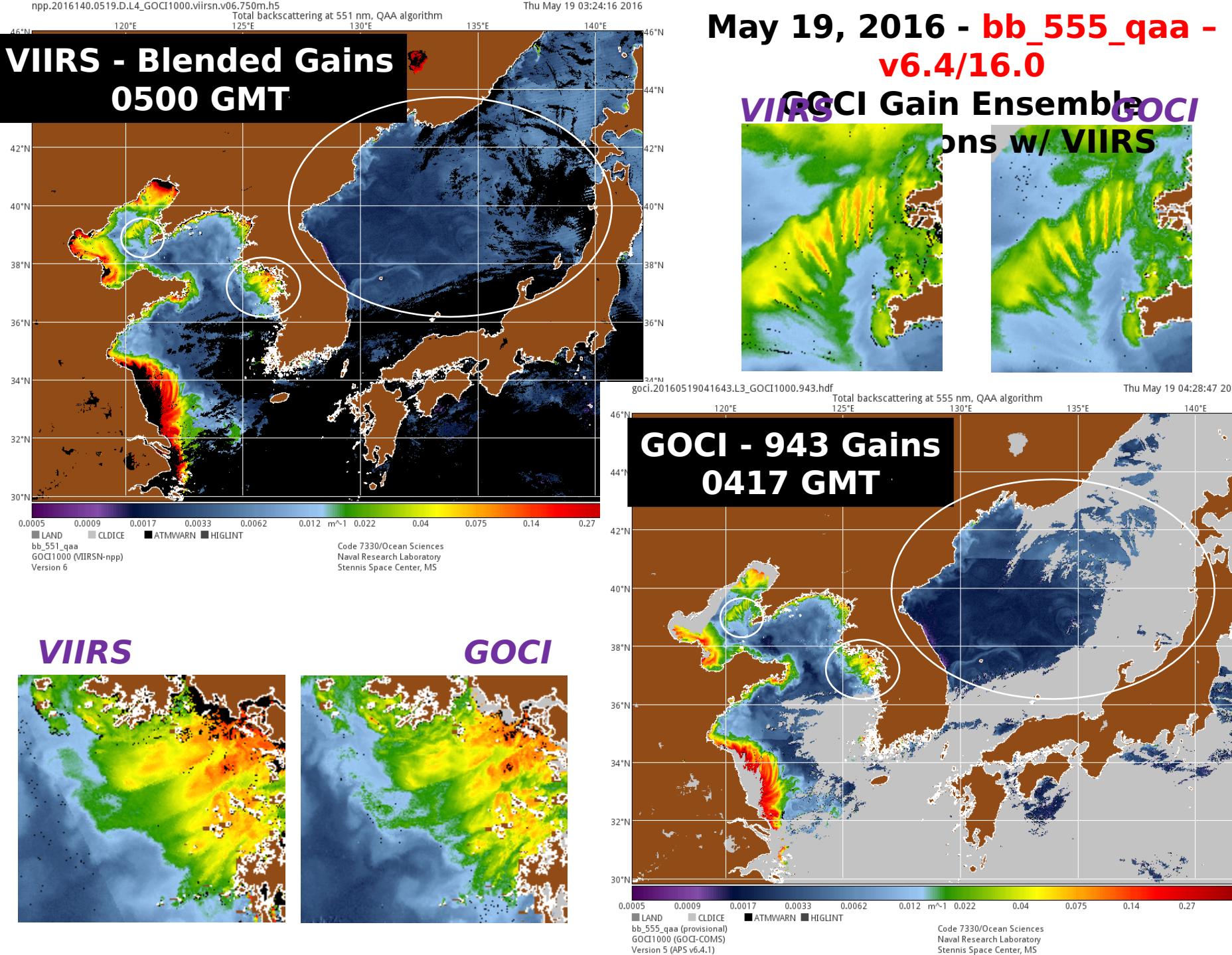


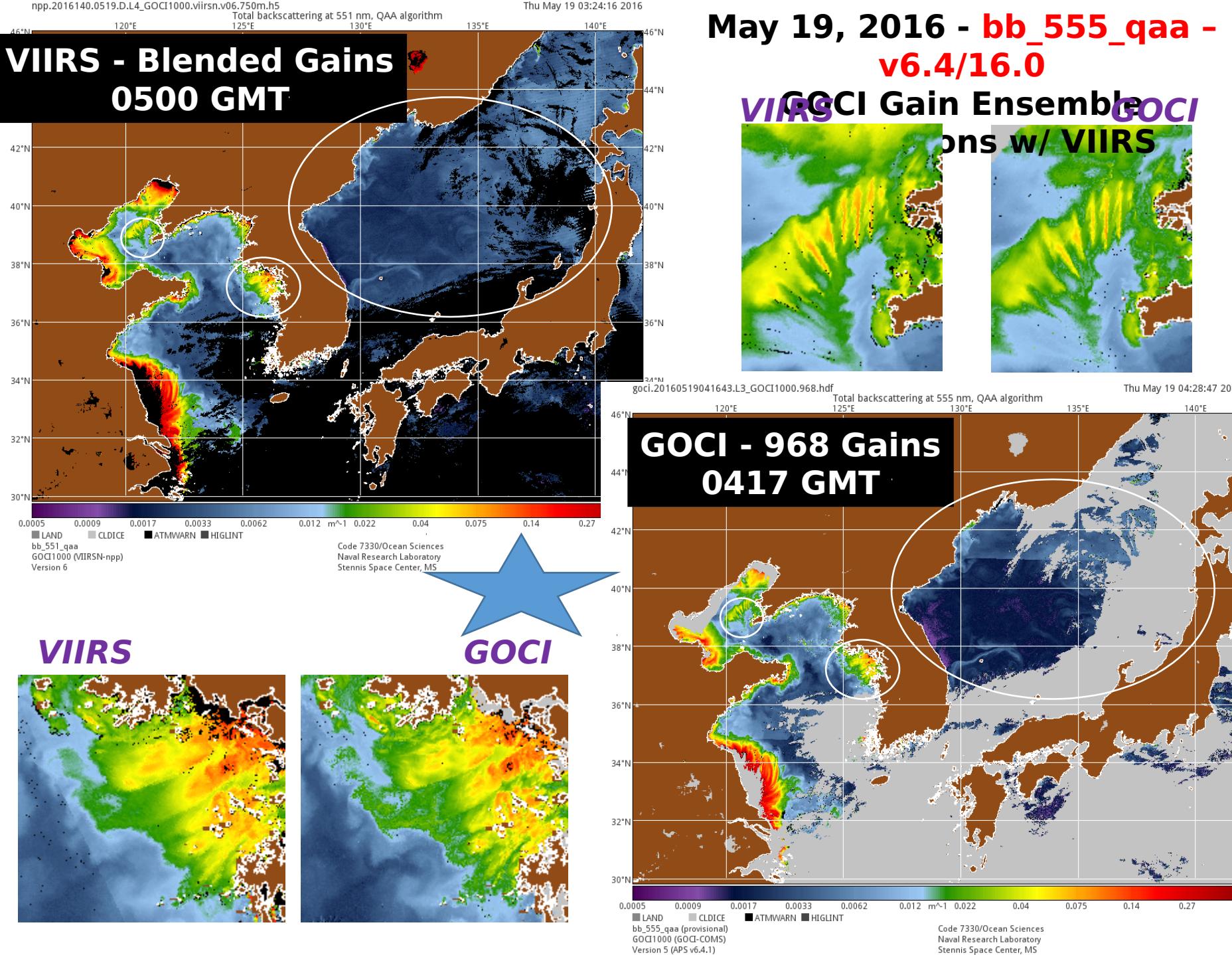
VIIRS



GOCCI





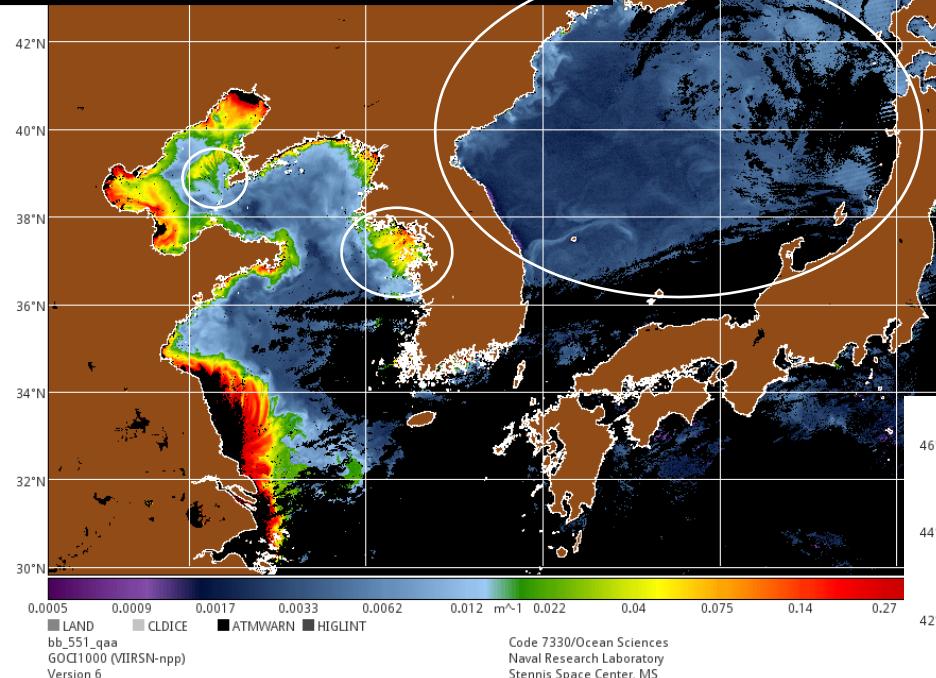


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Total backscattering at 551 nm, QAA algorithm
125°E 130°E 135°E 140°E

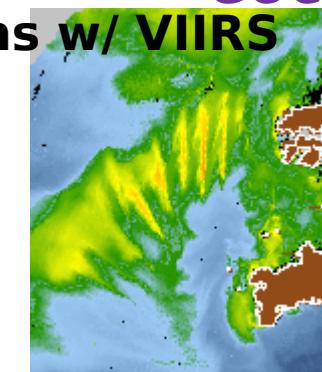
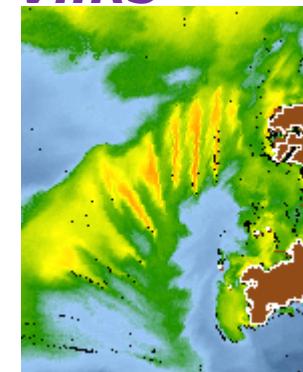
Thu May 19 03:24:16 2016

VIIRS - Blended Gains 0500 GMT

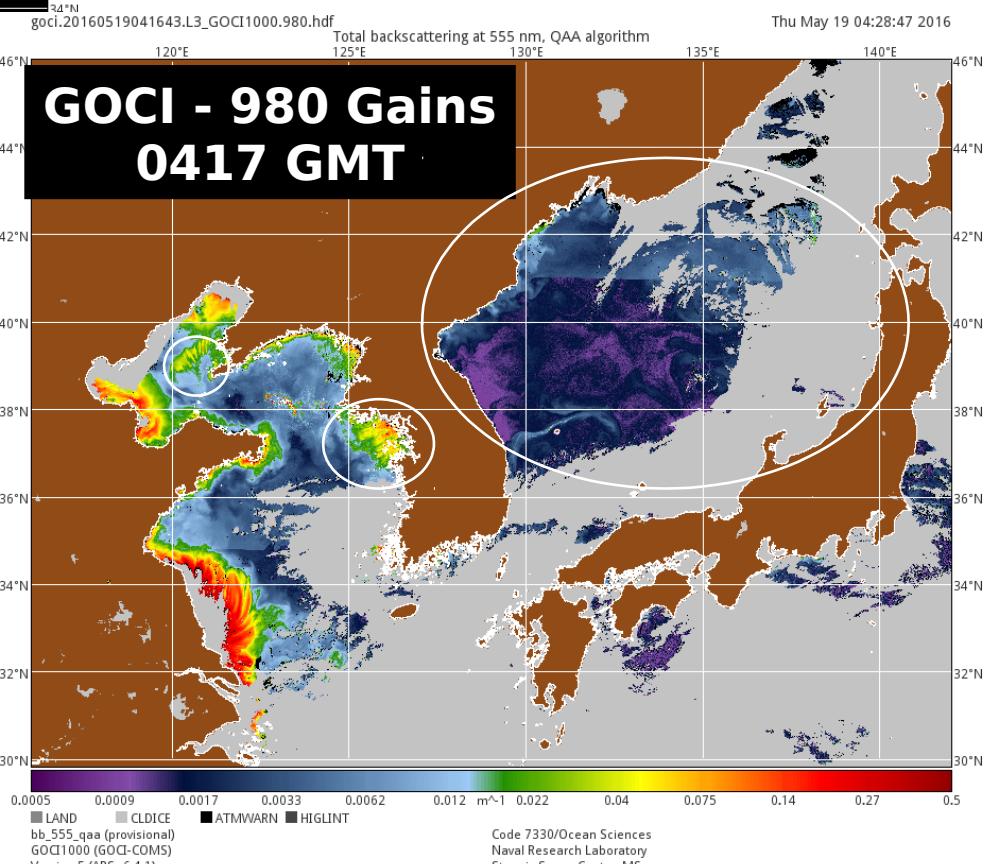


May 19, 2016 - bb_555_qaa -
v6.4/16.0

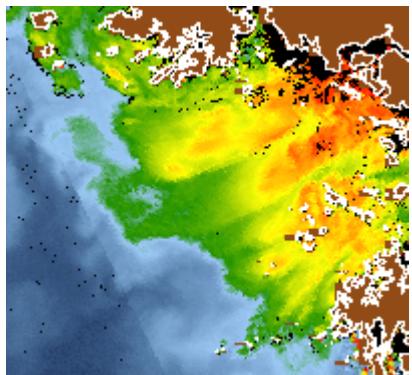
VIIRS Gains Ensemble GOCI Gains w/ VIIRS



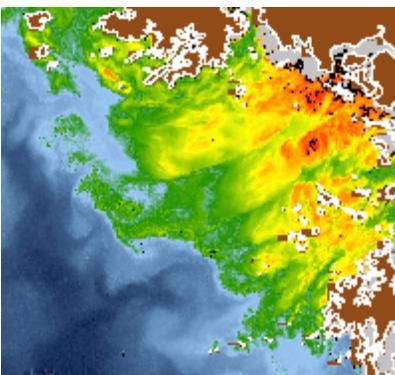
GOCI - 980 Gains 0417 GMT

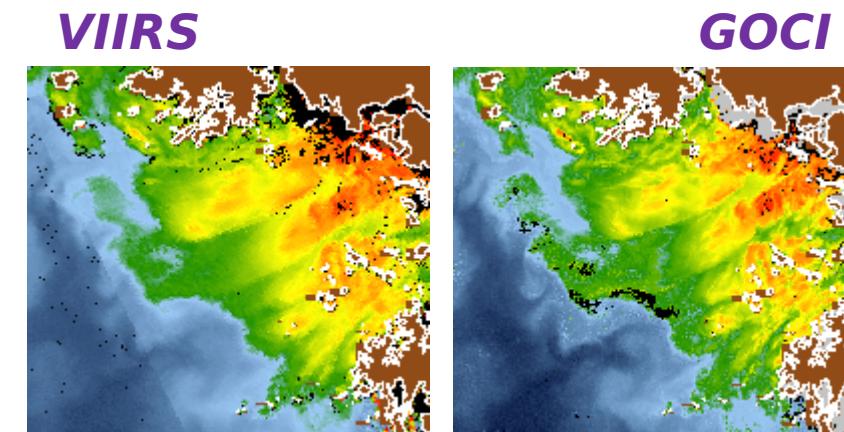
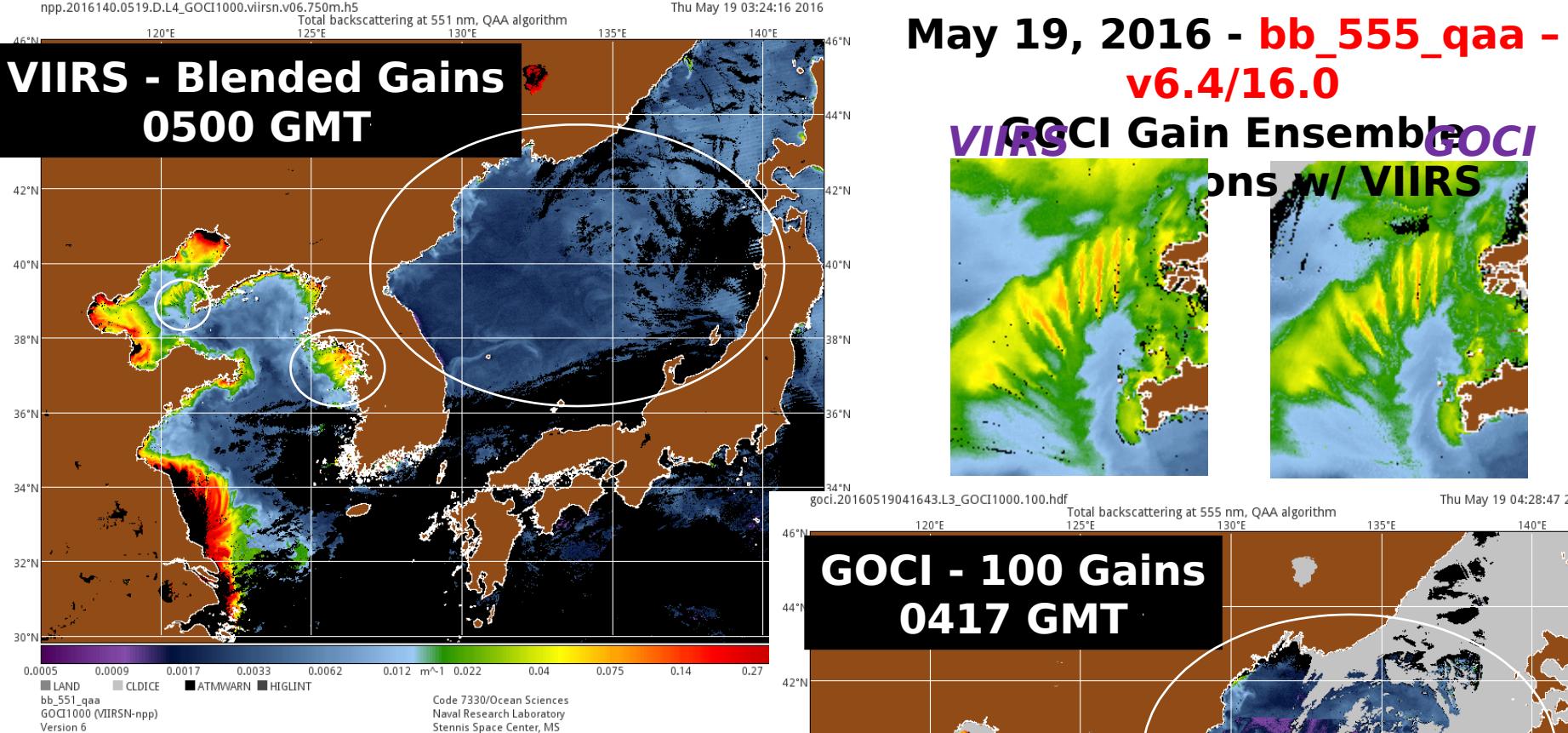


VIIRS

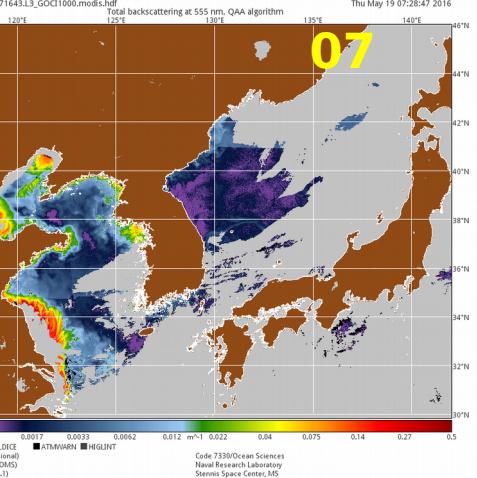
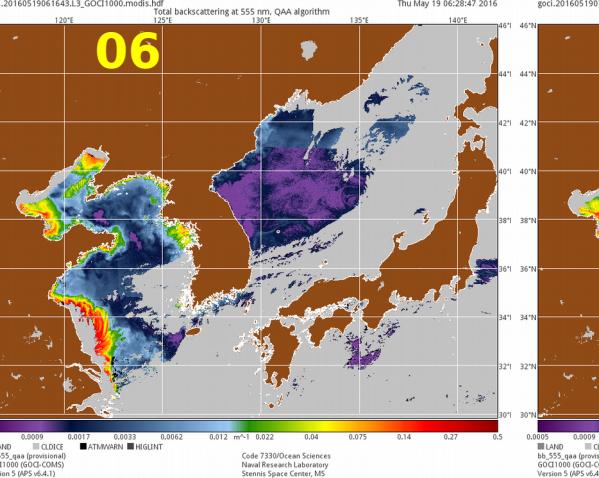
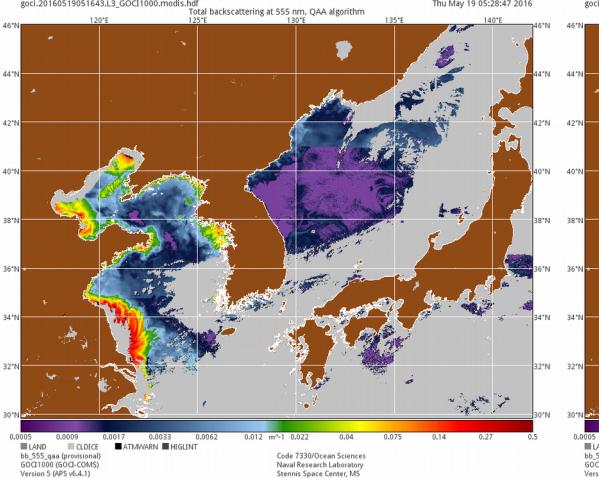
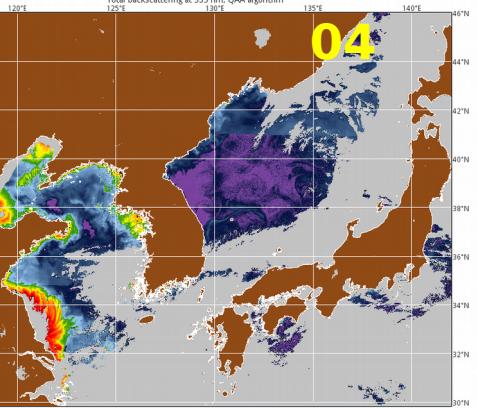
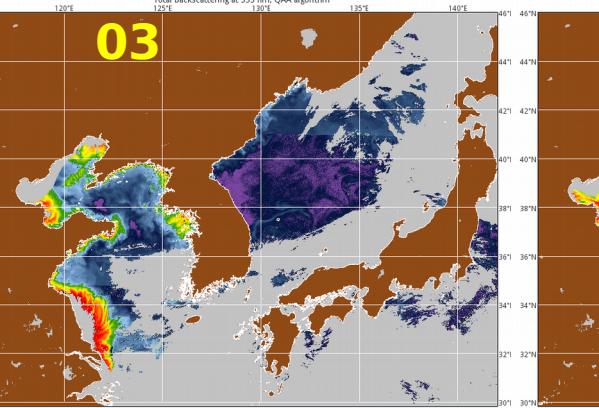
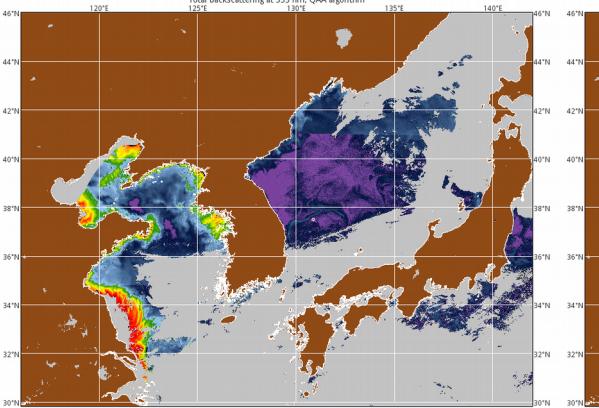
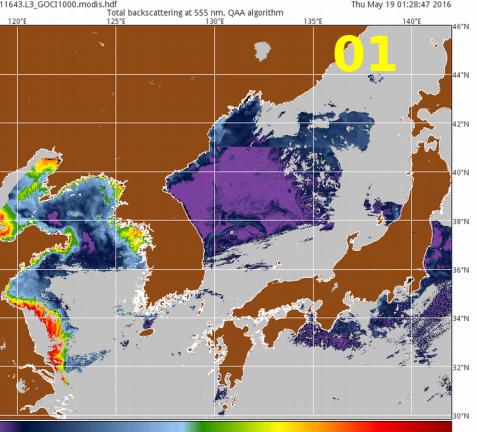
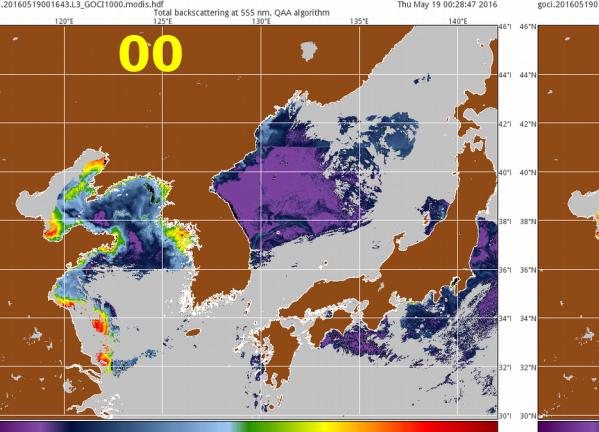
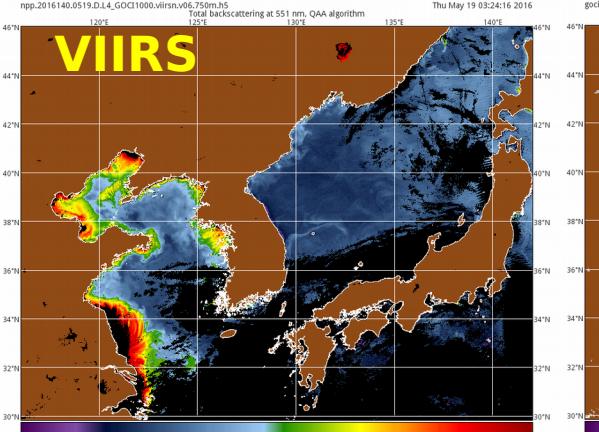


GOCI

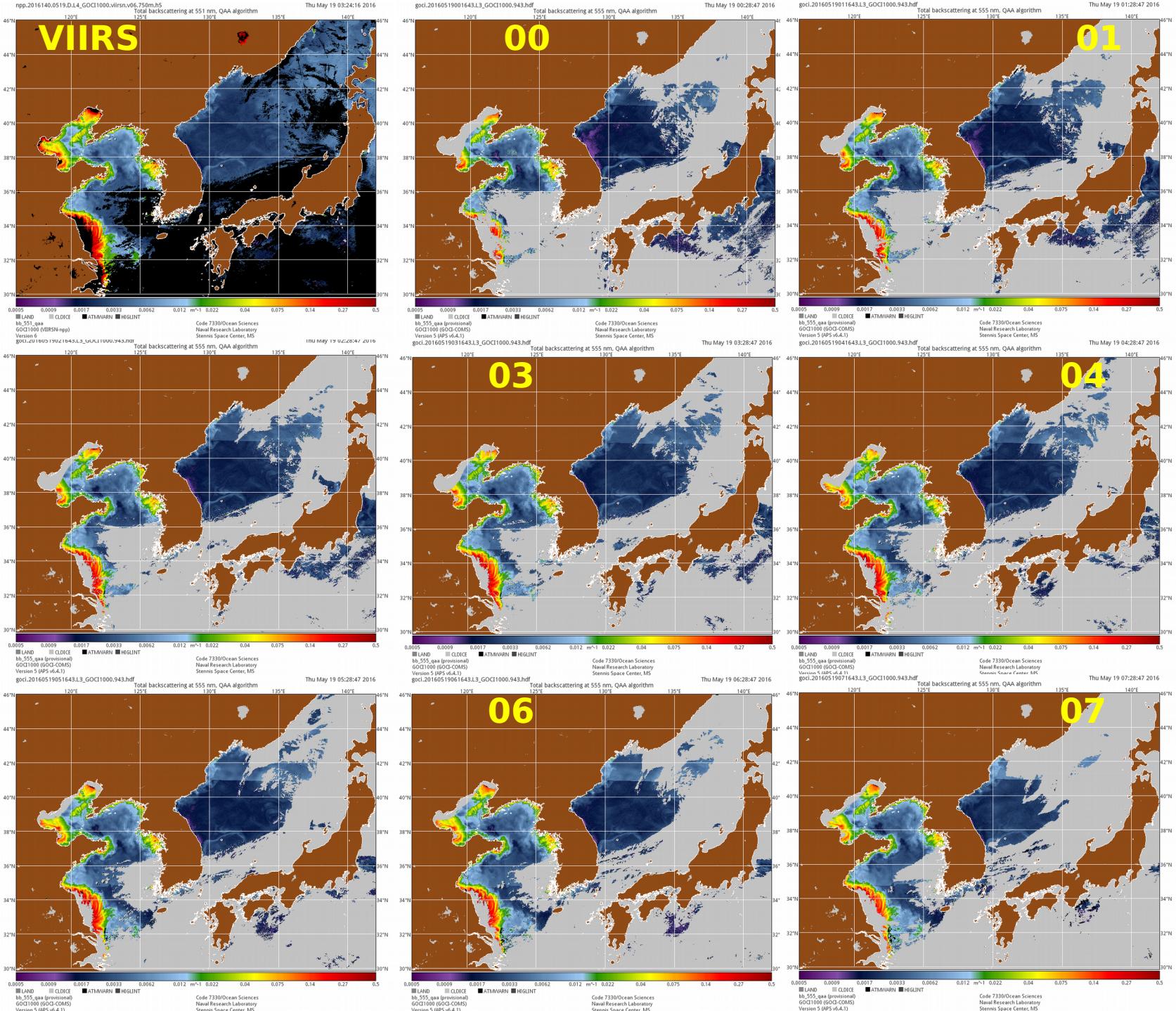




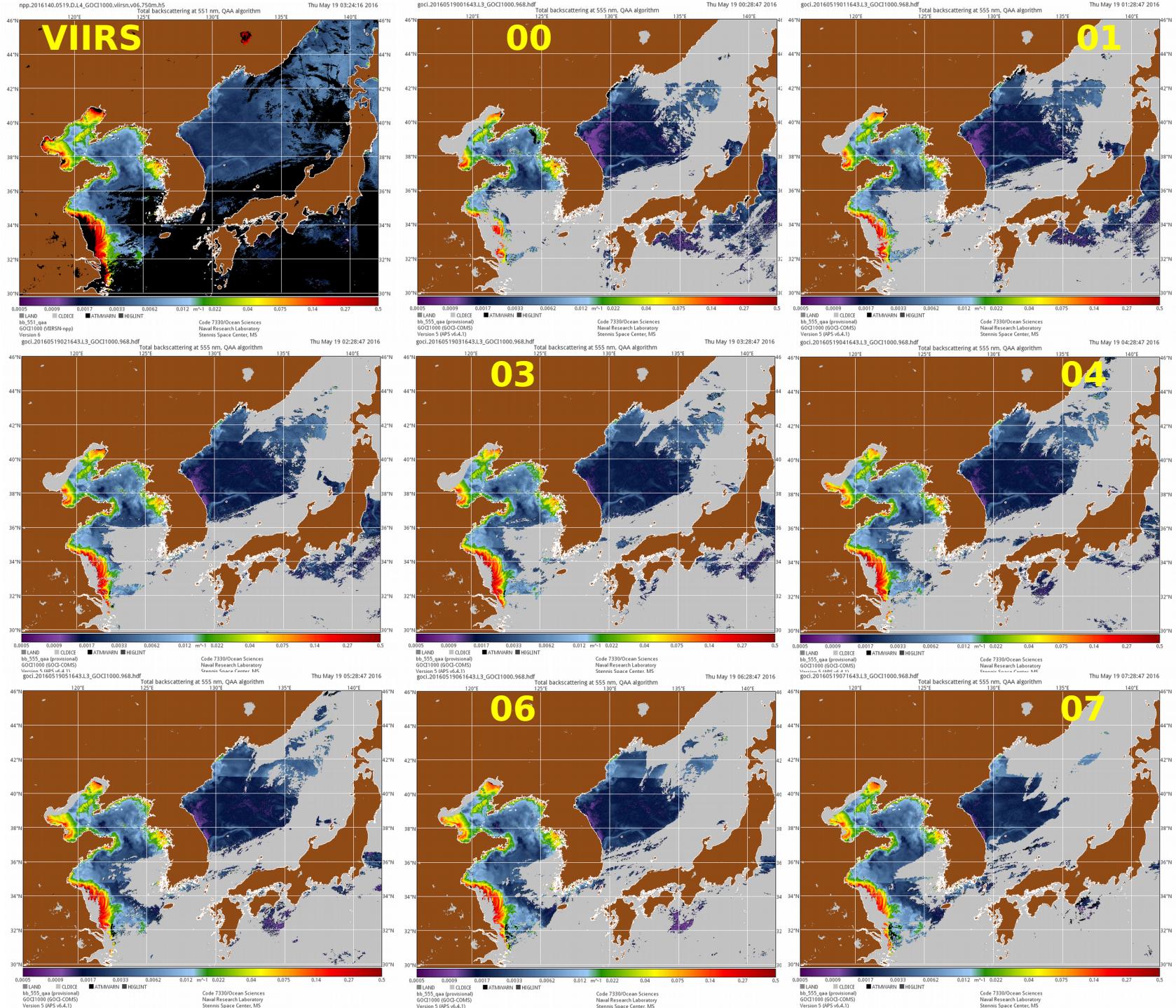
02
GOCI
MODIS
Gains
bb555



02
GOCI
943
Gains
bb555



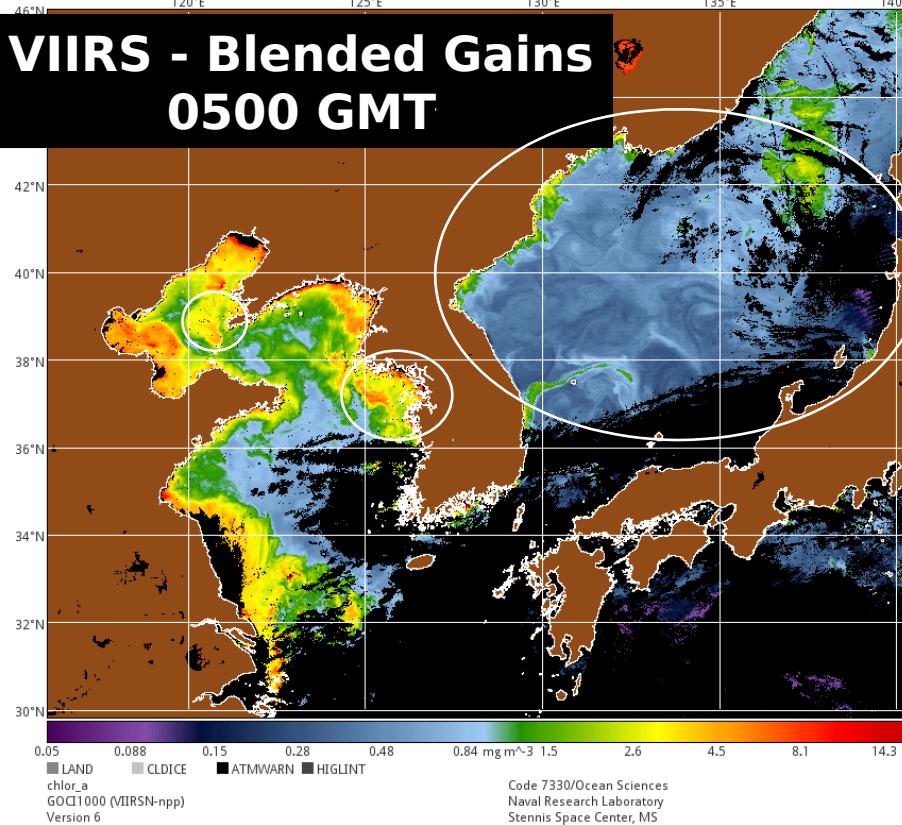
02
GOCI
968
Gains
bb555



npp.2016140.0519.D.L4_GOCI1000.viirsn.v06.750m.h5
Chlorophyll Concentration, OCI Algorithm

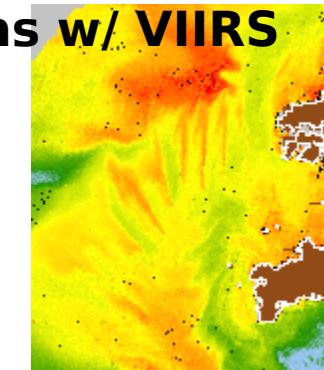
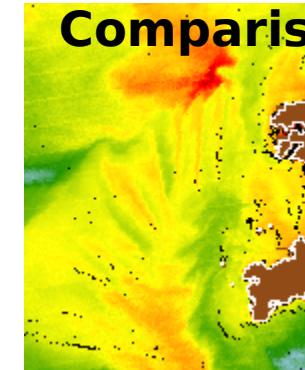
Thu May 19 03:24:16 2016

VIIRS - Blended Gains 0500 GMT



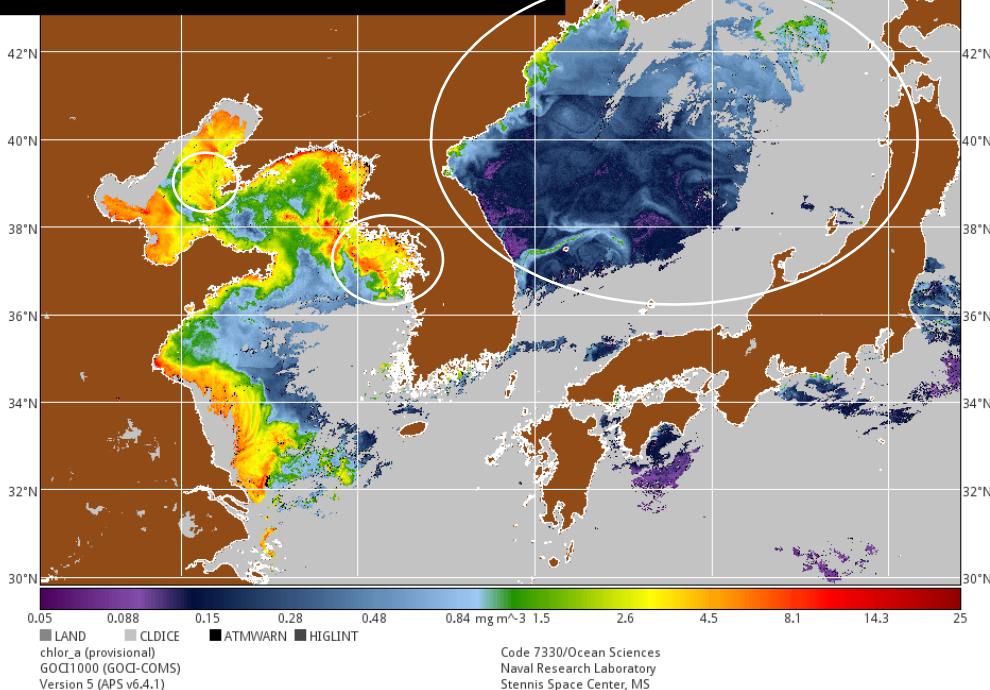
May 19, 2016 - chlor_a -
v6.4/16.0

VIIRS Gains Ensemble GOCI Comparisons w/ VIIRS

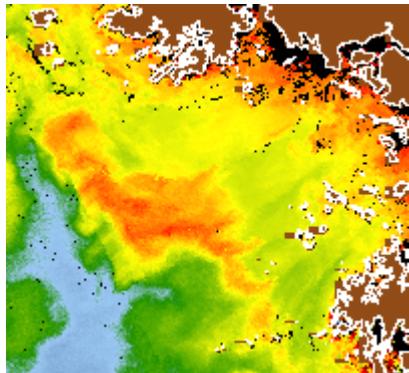


Thu May 19 04:28:47 2016

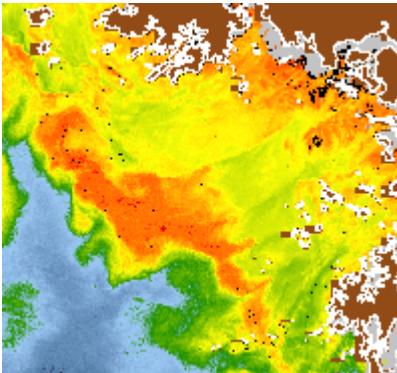
GOCI - MODIS Gains 0417 GMT



VIIRS



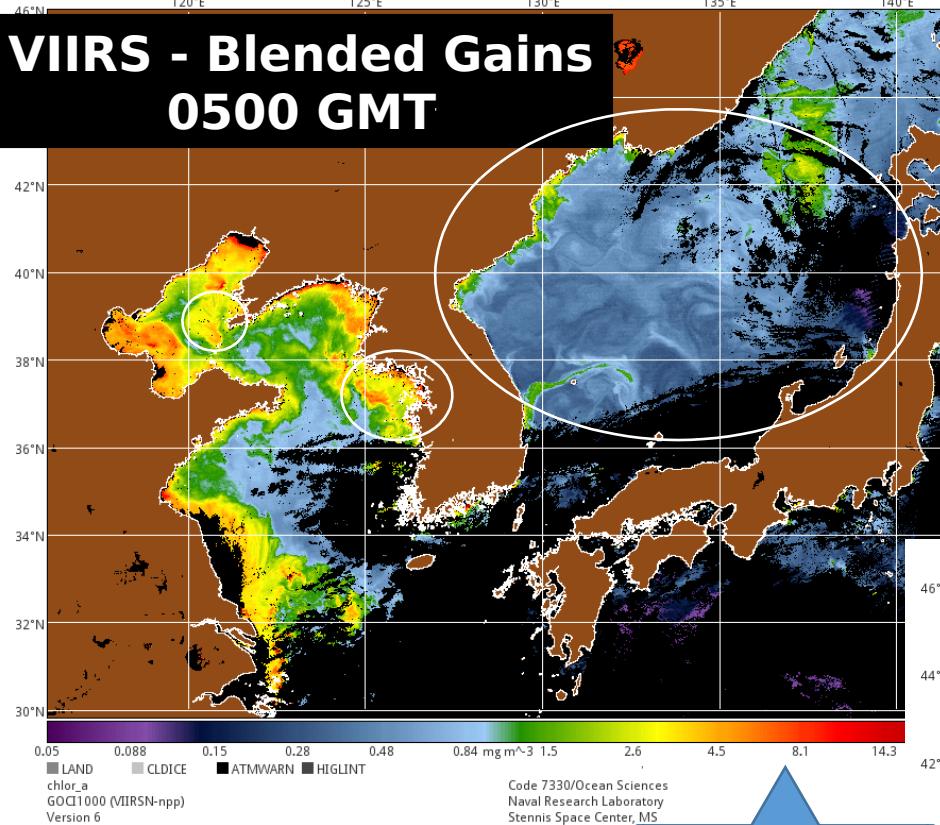
GOCI



npp.2016140.0519.D.L4_GOCI1000.viirsn.v06.750m.h5
Chlorophyll Concentration, OCI Algorithm

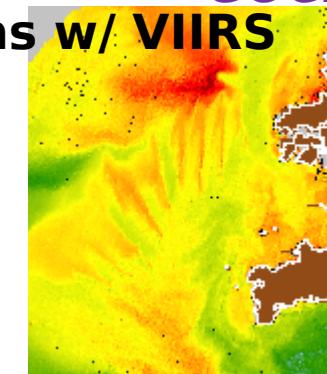
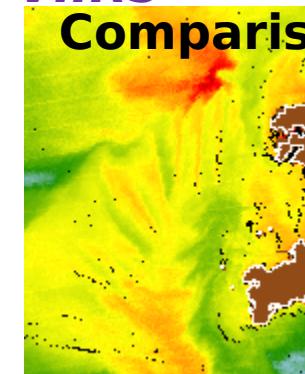
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VIIRS - Blended Gains 0500 GMT



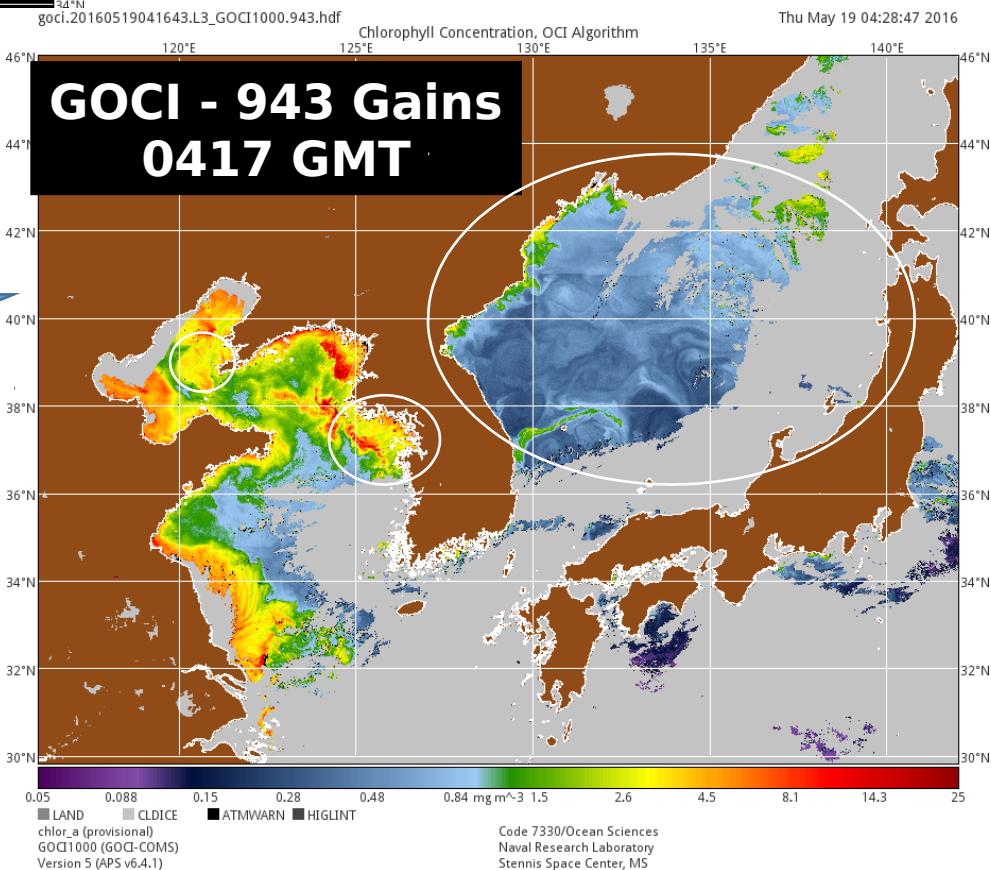
May 19, 2016 - chlor_a -
v6.4/16.0

VIIRS Gain Ensemble GOCI Comparisons w/ VIIRS



Thu May 19 04:28:47 2016

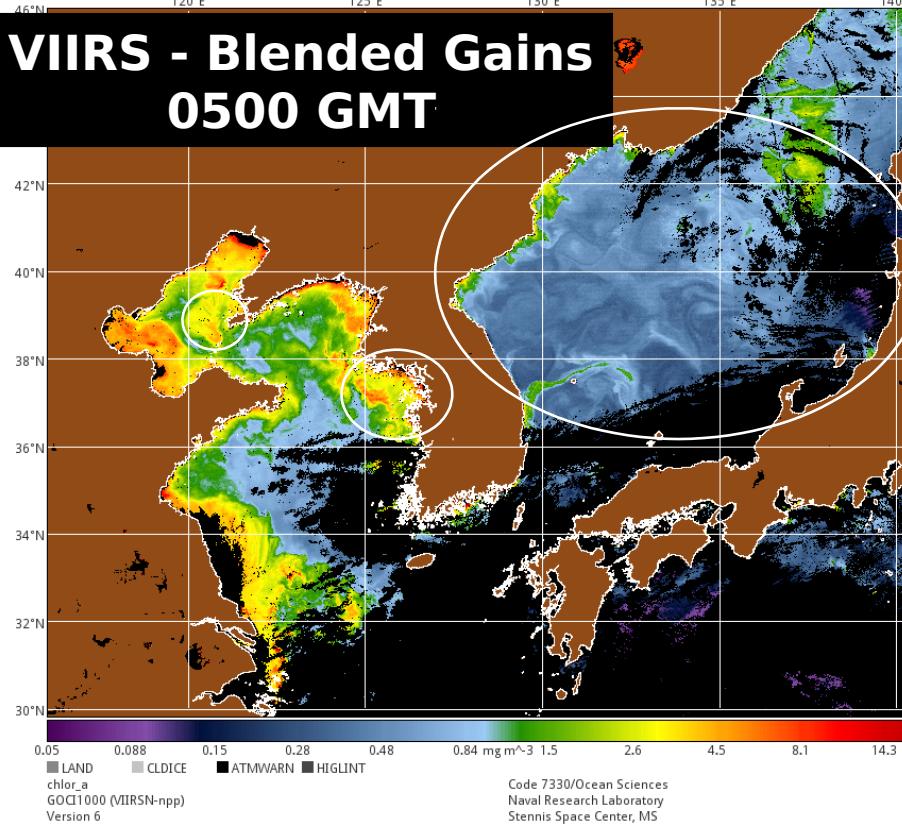
GOCI - 943 Gains 0417 GMT



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Chlorophyll Concentration, OCI Algorithm

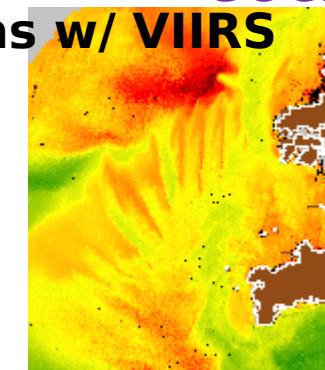
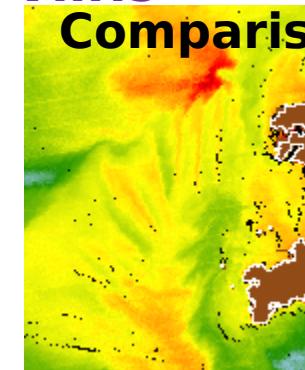
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VIIRS - Blended Gains 0500 GMT



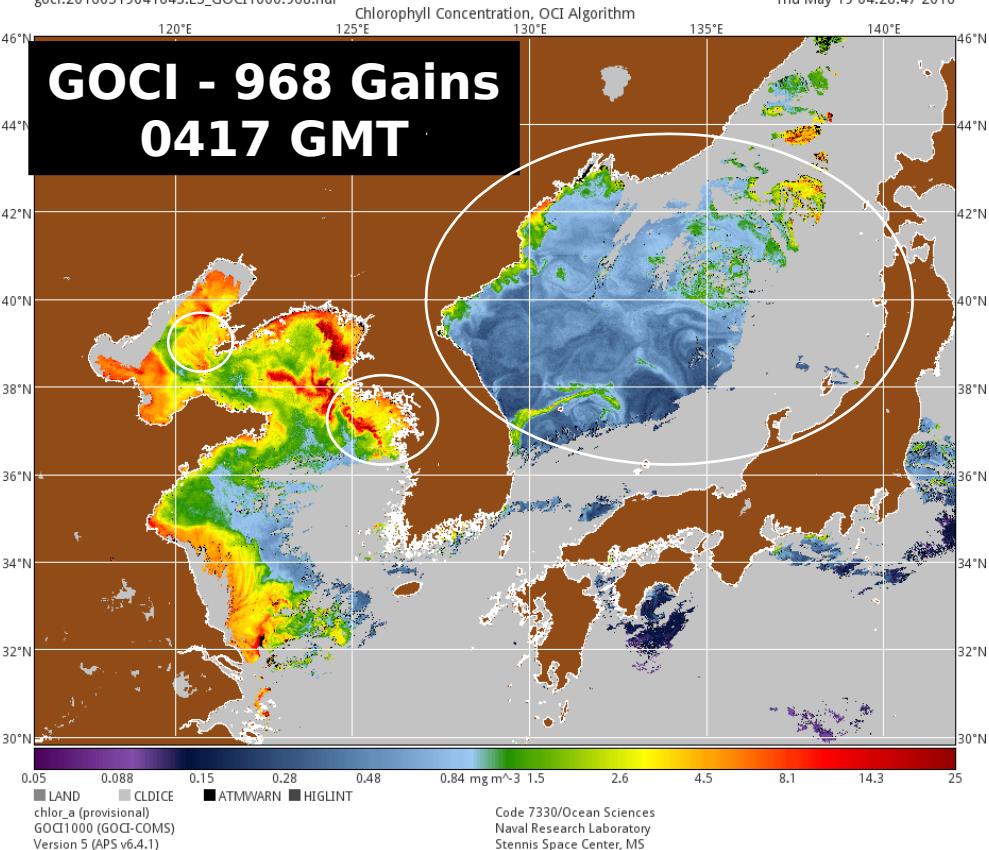
May 19, 2016 - chlor_a -
v6.4/16.0

VIIRS Gains Ensemble GOCI Comparisons w/ VIIRS

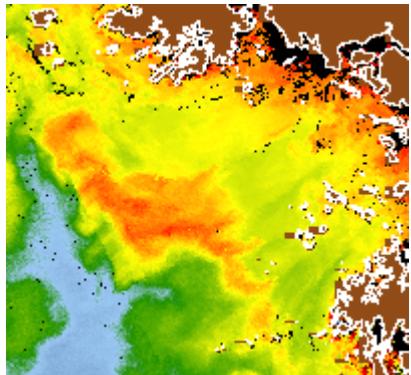


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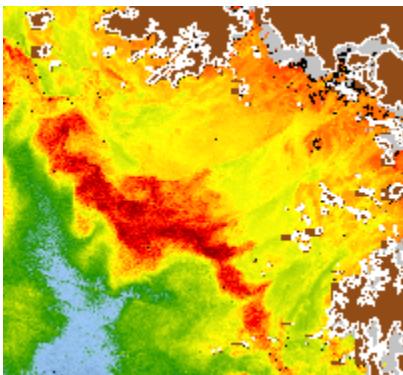
GOCI - 968 Gains 0417 GMT



VIIRS



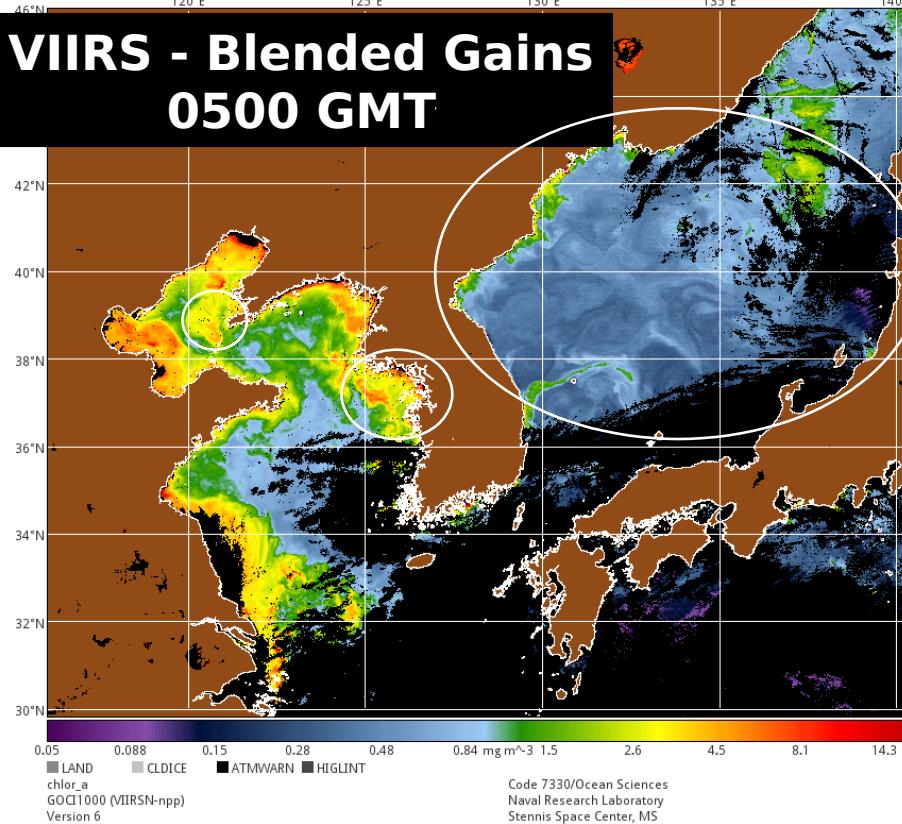
GOCI



npp.2016140.0519.D.L4_GOCI1000.viirsn.v06.750m.h5
Chlorophyll Concentration, OCI Algorithm

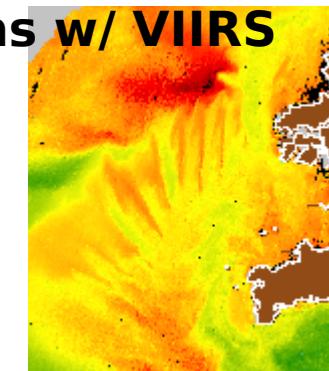
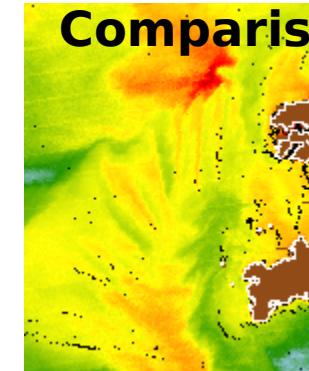
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VIIRS - Blended Gains 0500 GMT



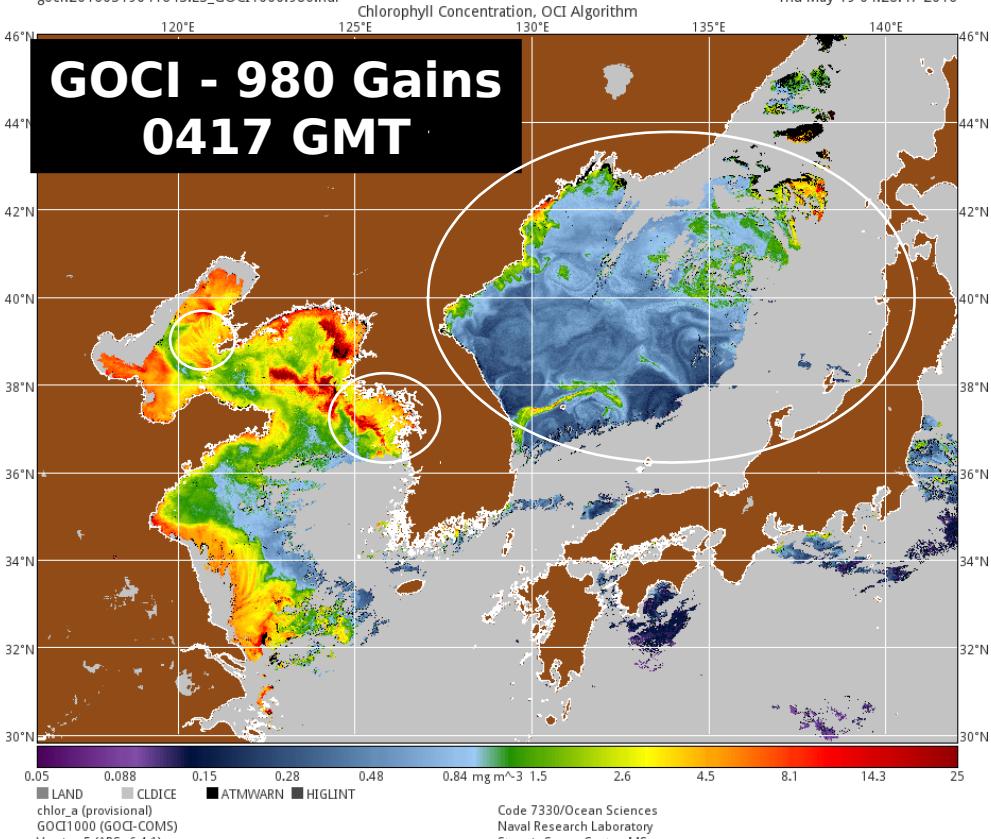
May 19, 2016 - chlor_a -
v6.4/16.0

VIIRS GOCI Gain Ensemble Comparisons w/ VIIRS



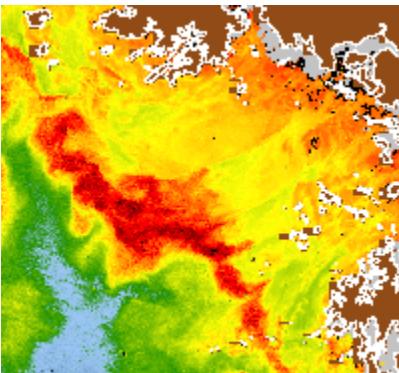
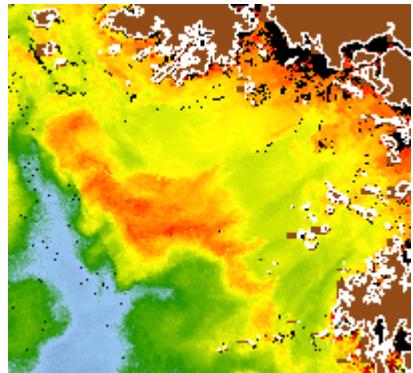
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GOCI - 980 Gains 0417 GMT



VIIRS

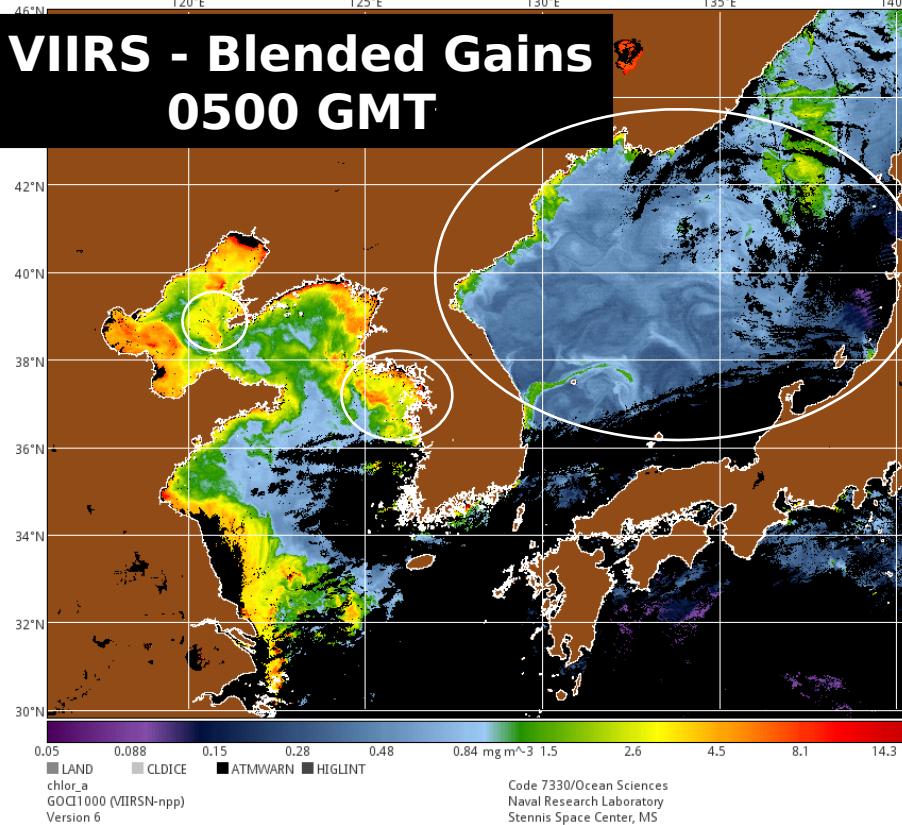
GOCI



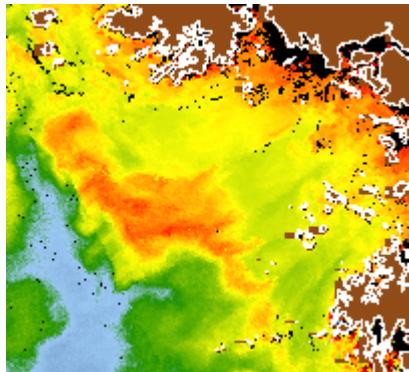
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Chlorophyll Concentration, OCI Algorithm

Thu May 19 03:24:16 2016

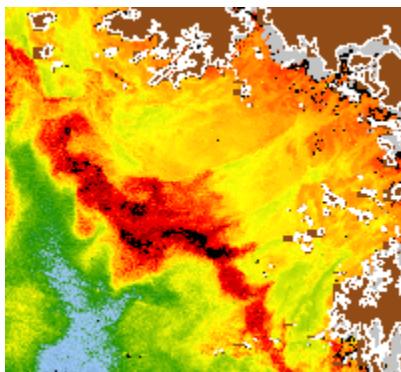
VIIRS - Blended Gains 0500 GMT



VIIRS



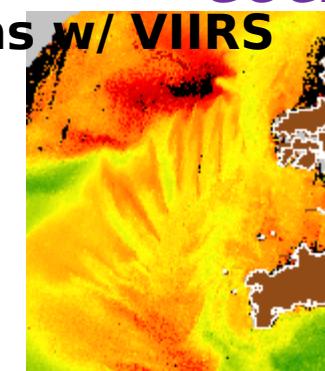
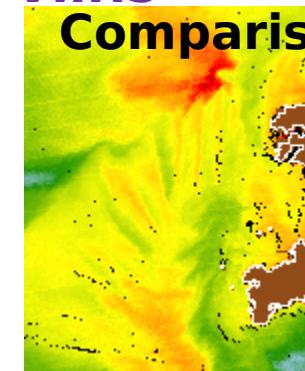
GOCI



May 19, 2016 - chlor_a -

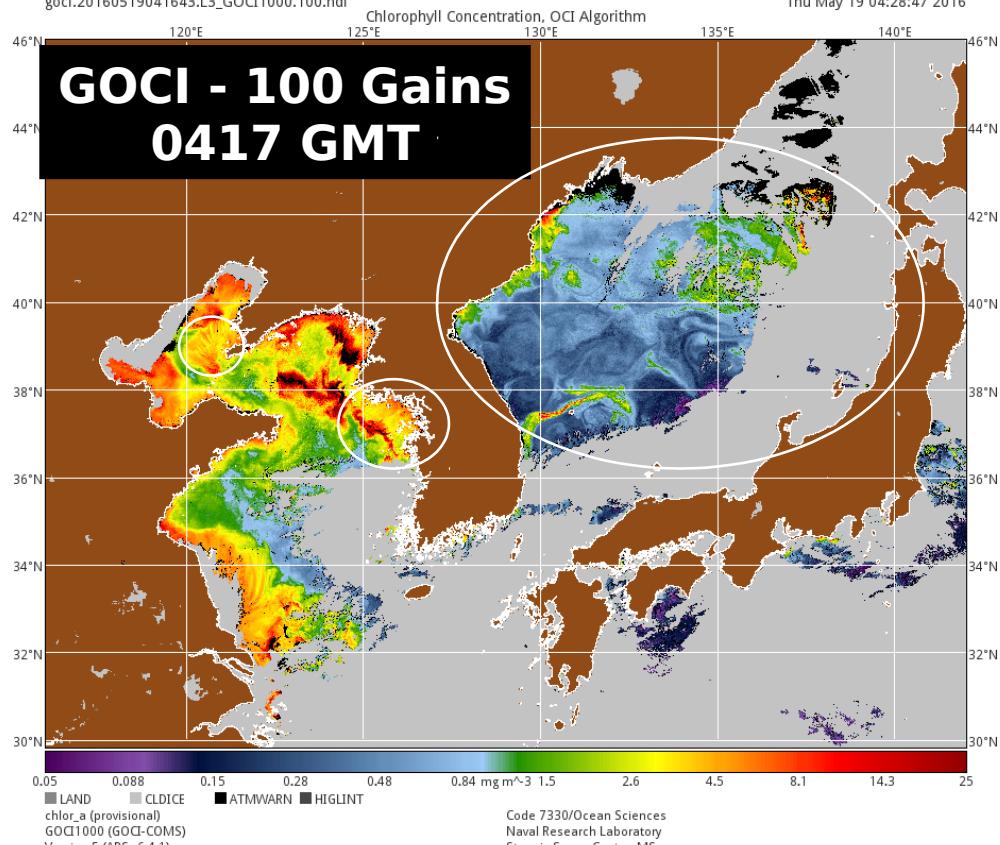
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VIIRS Gain Ensemble GOCI Comparisons w/ VIIRS



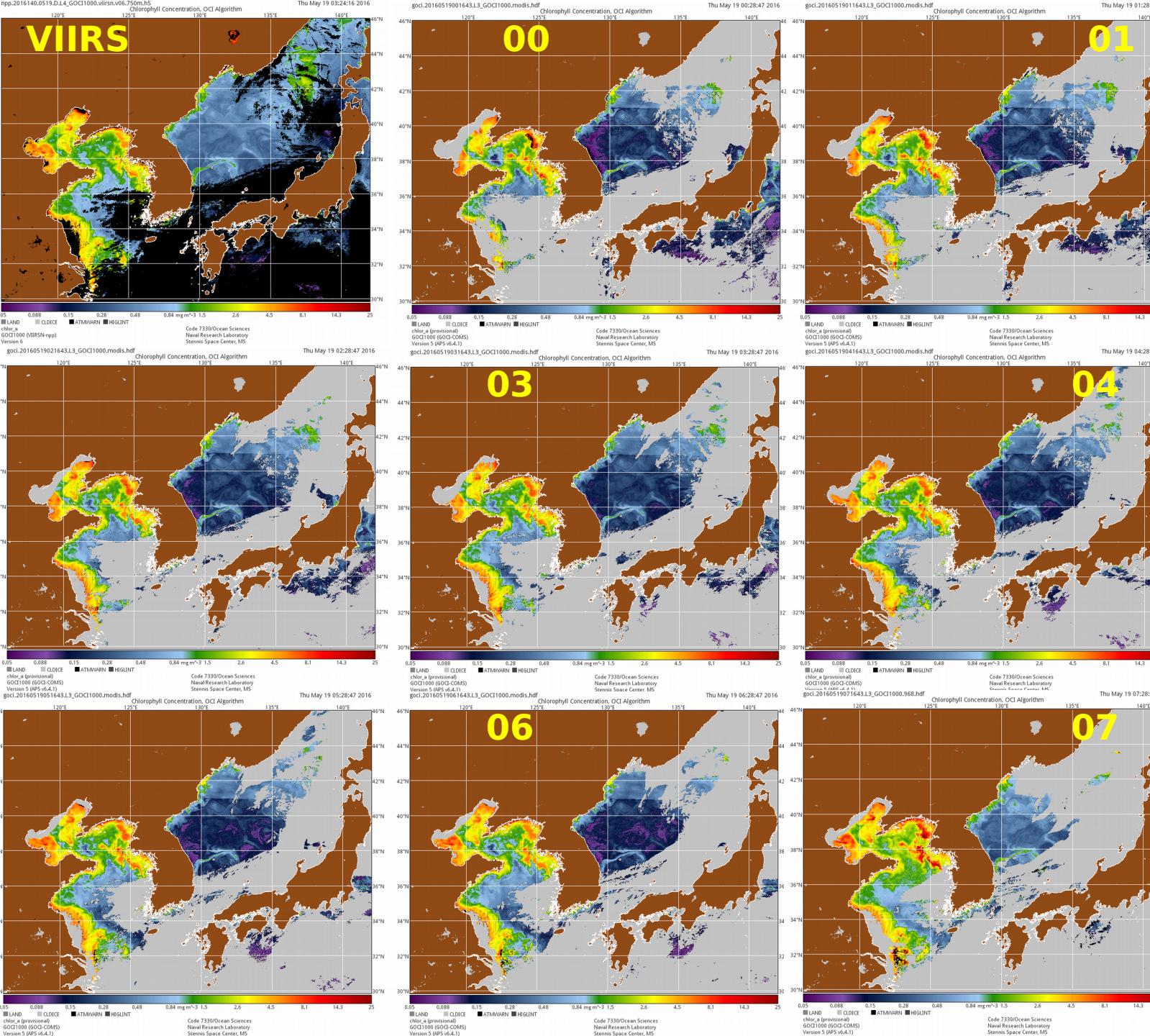
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GOCI - 100 Gains 0417 GMT



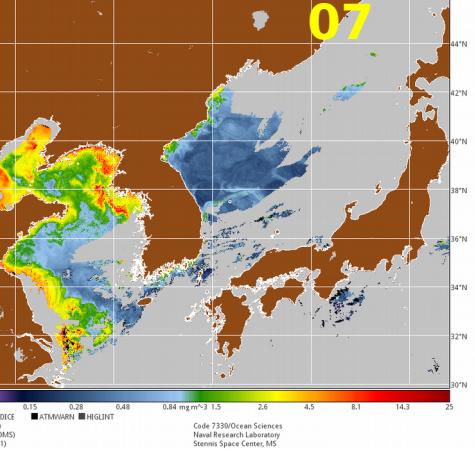
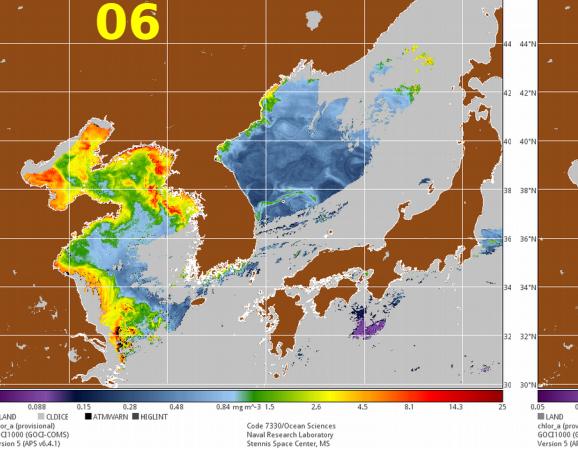
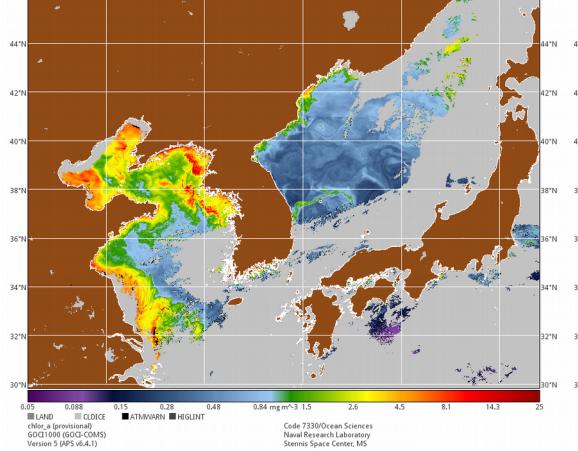
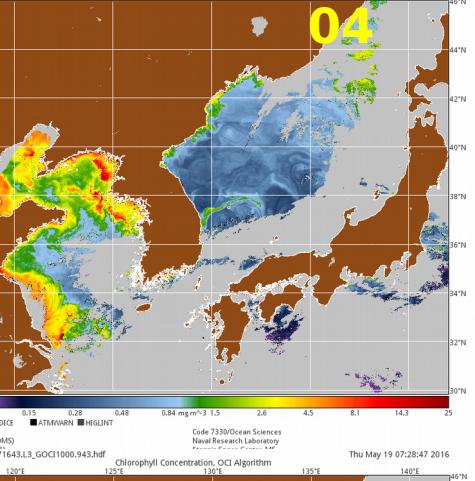
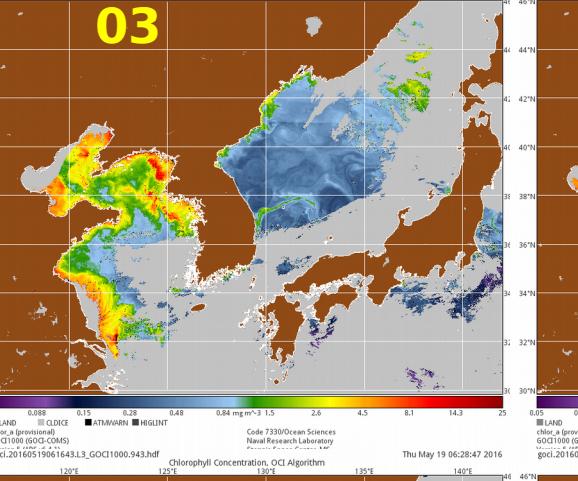
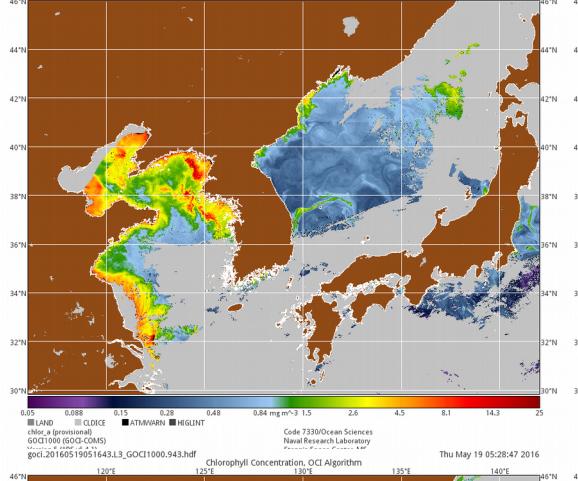
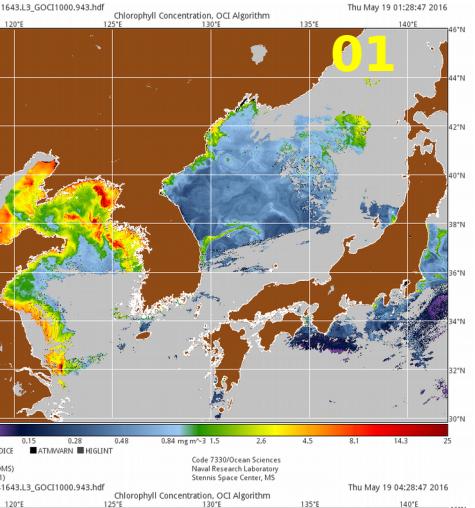
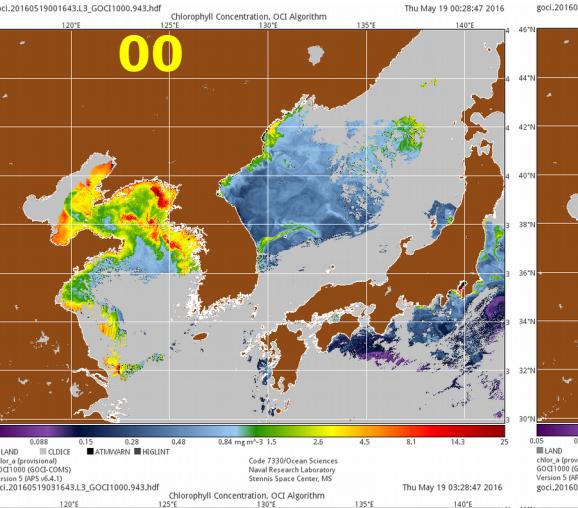
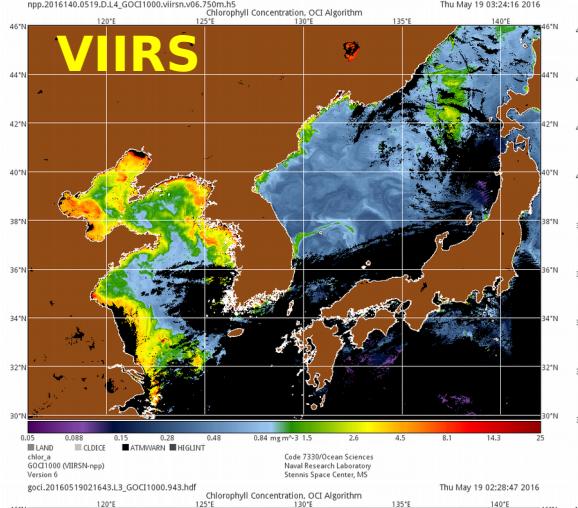
02
GOCI
MODIS
Gains

Chlor_a

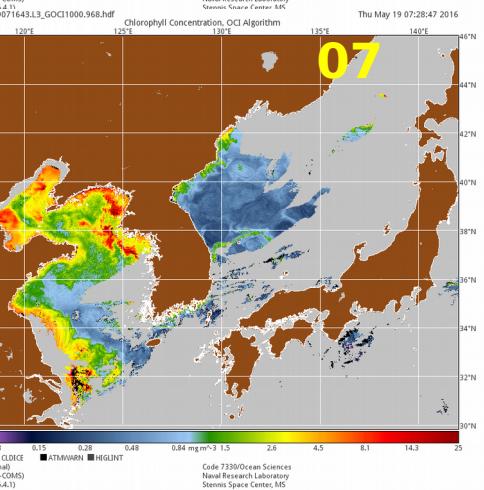
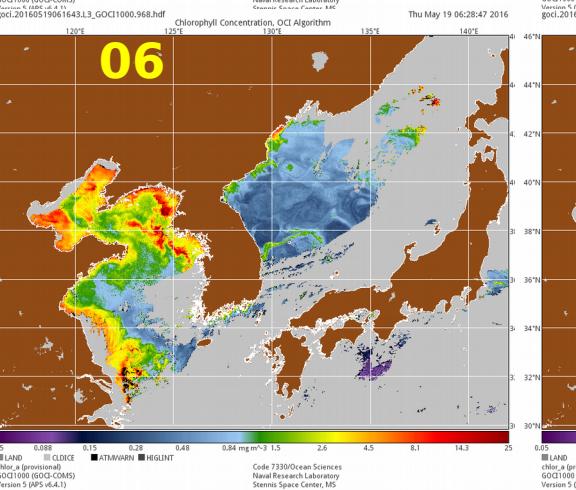
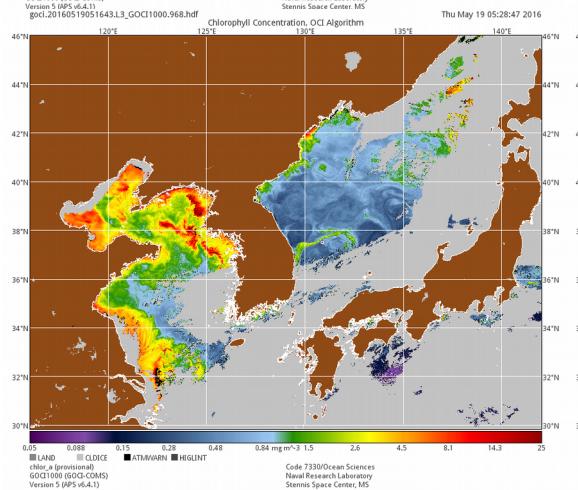
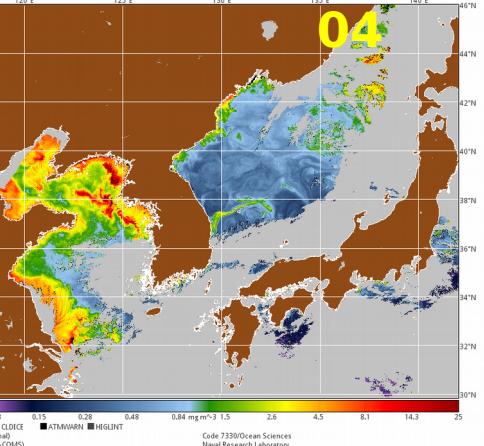
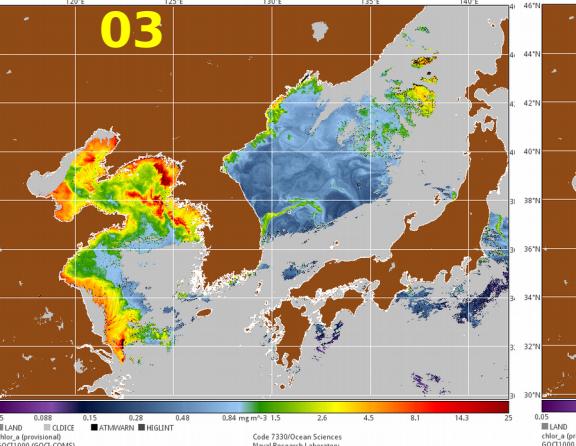
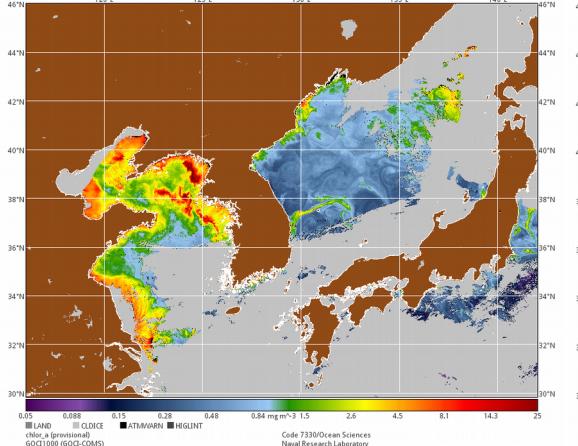
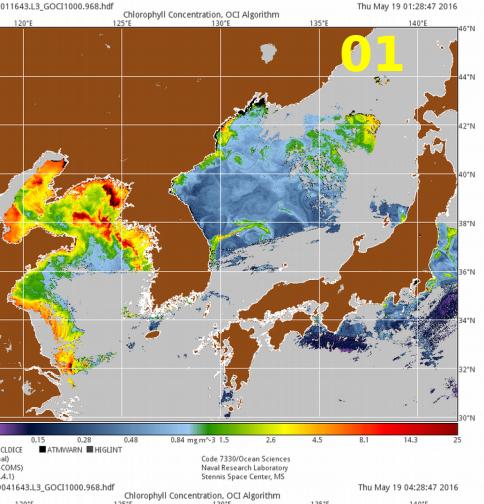
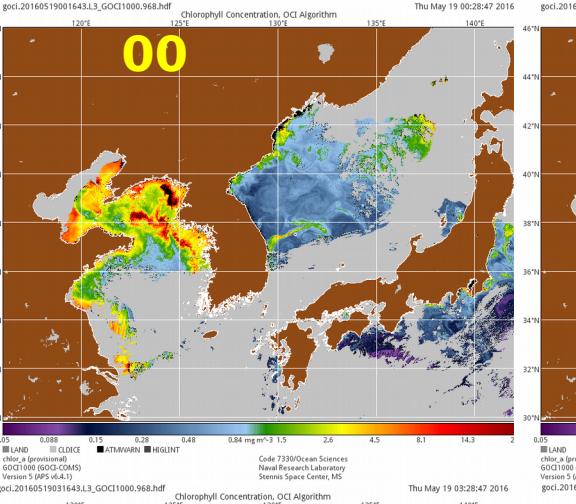
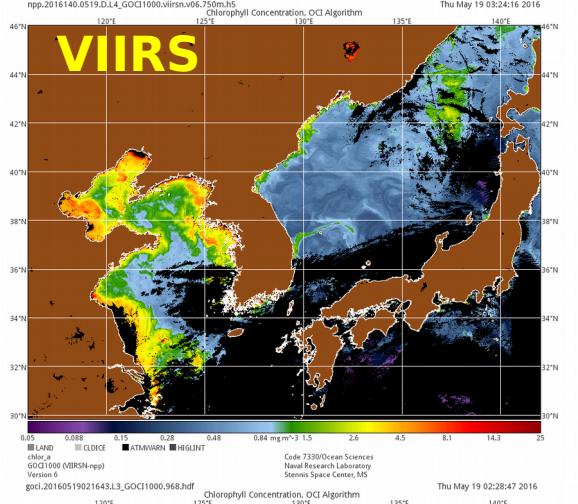


02
GOCI
943
Gains

Chlor_a



02
GOCI
968
Gains
Chlor_a



npp.2016140.0519.D.L4_GOCI1000.viirs.n.v06.750m.h5

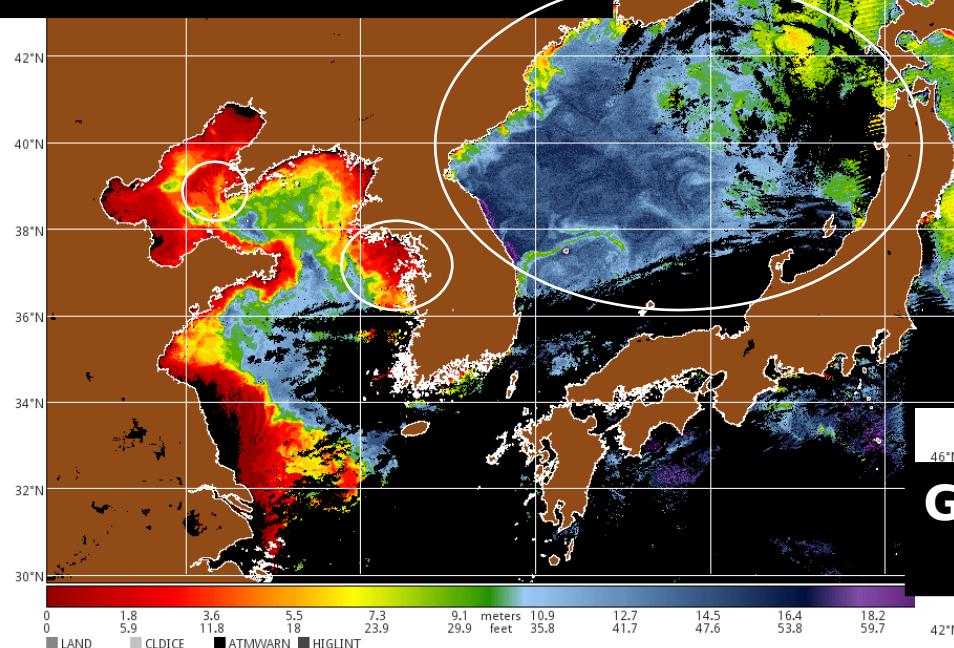
120°E

125°E

Vertical Visibility
130°E

Thu May 19 03:24:16 2016

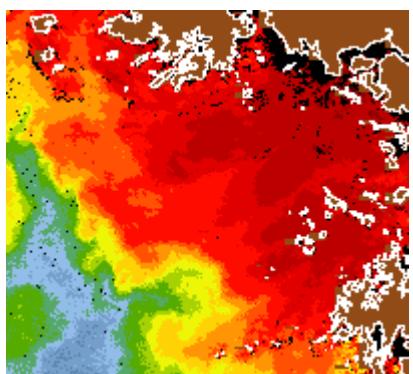
VIIRS - Blended Gains 0500 GMT



V6.4 LMI Coefs - Failures

VIIRS

GOCI

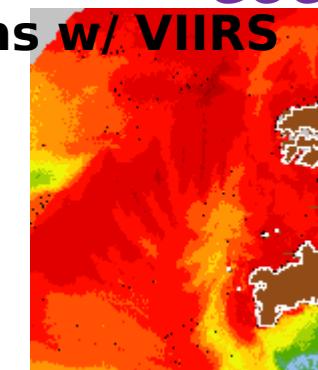
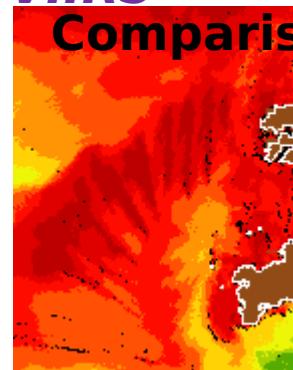


h_g=70.0, adg_s=-0.062, bb_wde VIIRS LMI Coefs

May 19, 2016 - vert_vis -

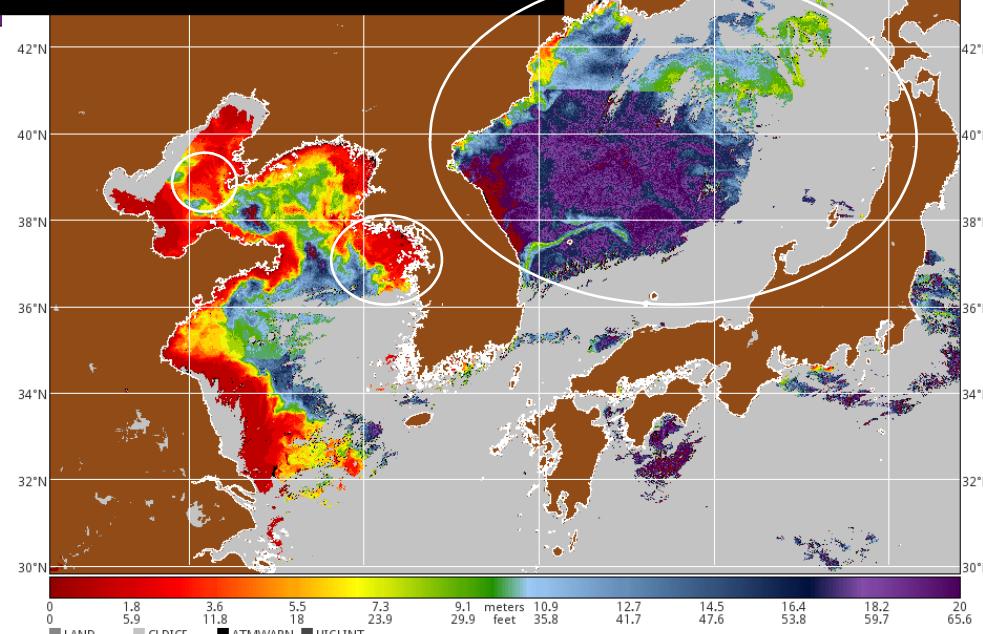
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VIIRS Gain Ensemble GOCI Comparisons w/ VIIRS



Thu May 19 04:28:47 2016

GOCI - MODIS Gains 0417 GMT



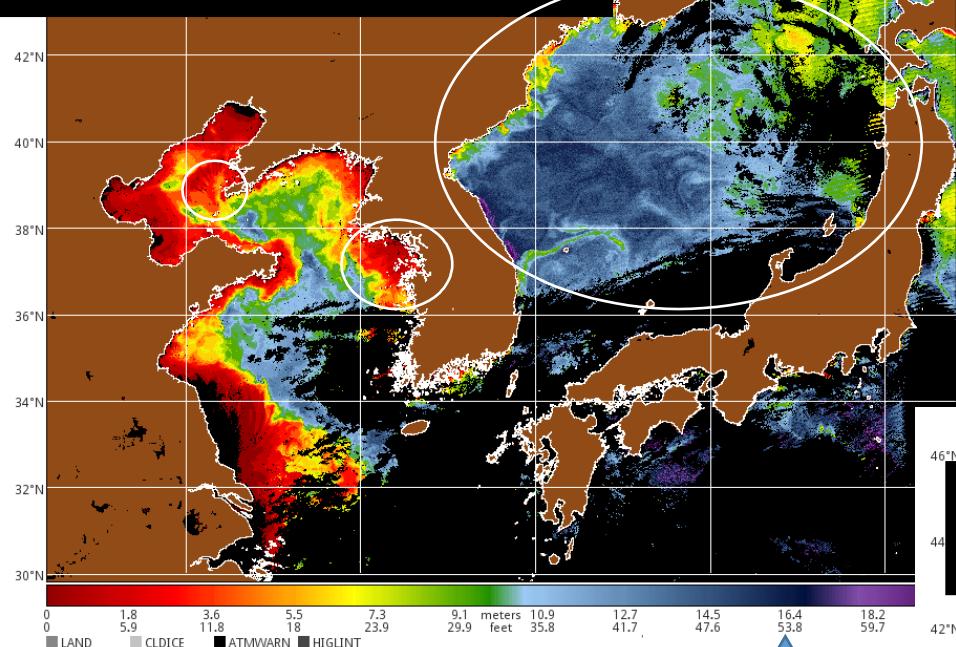
Code 7330/Ocean Sciences
Naval Research Laboratory
Stennis Space Center, MS

npp.2016140.0519.D.L4_GOCI1000.viirs.n.v06.750m.h5

Vertical Visibility

Thu May 19 03:24:16 2016

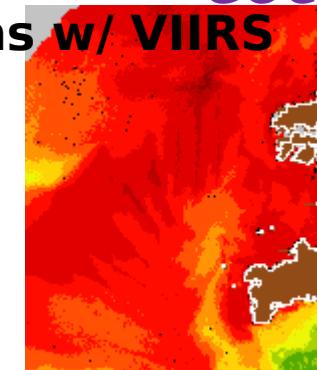
VIIRS - Blended Gains 0500 GMT



May 19, 2016 - vert_vis -

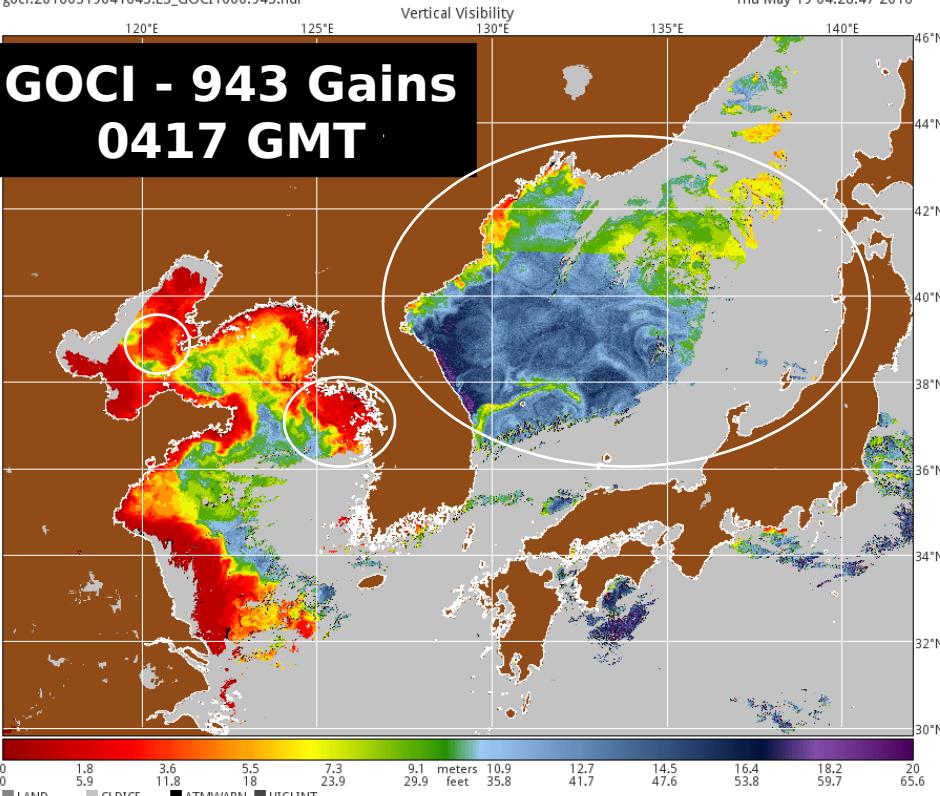
v6.4/16.0

VIIRS Gain Ensemble GOCI Comparisons w/ VIIRS



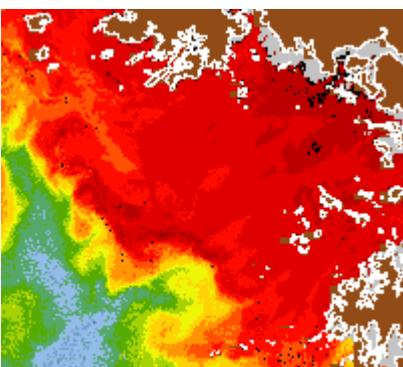
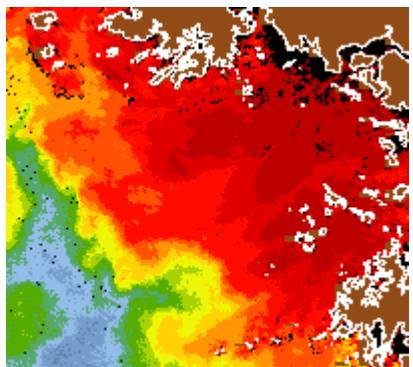
Thu May 19 04:28:47 2016

GOCI - 943 Gains 0417 GMT



VIIRS

GOCI



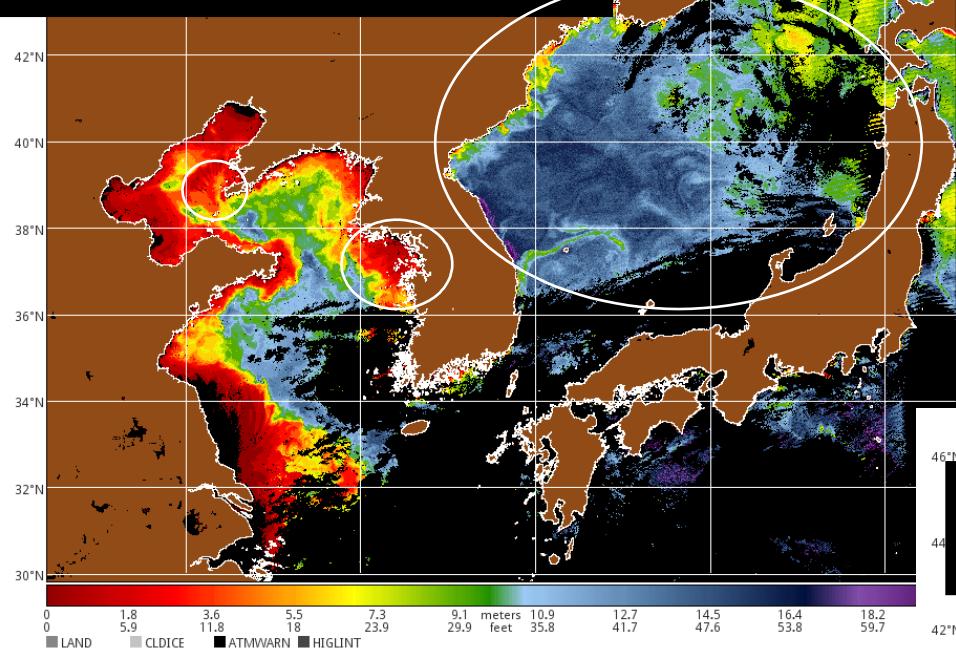
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Vertical Visibility

Thu May 19 03:24:16 2016

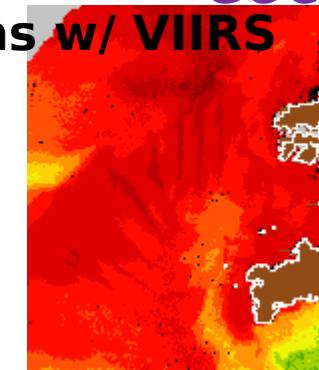
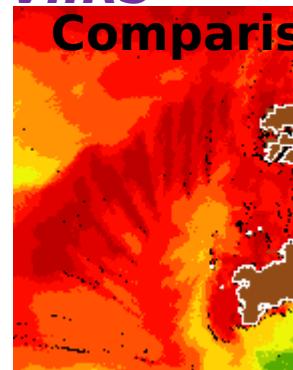
VIIRS - Blended Gains 0500 GMT



May 19, 2016 - vert_vis -

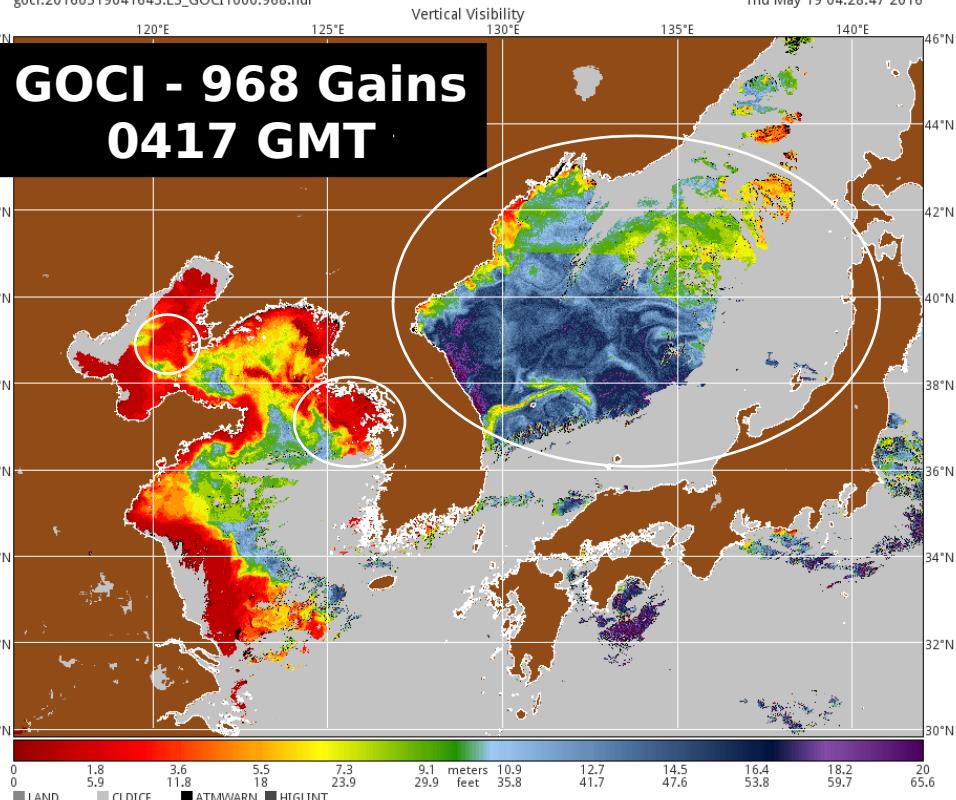
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VIIRS Gain Ensemble GOCI Comparisons w/ VIIRS



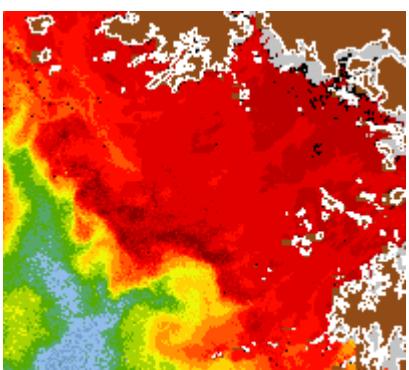
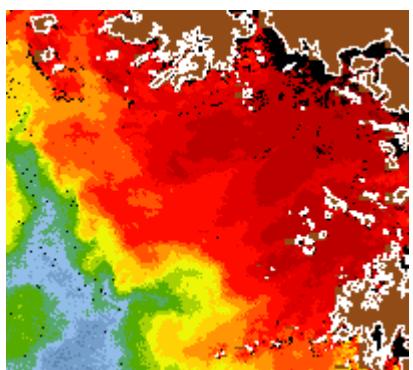
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GOCI - 968 Gains 0417 GMT



VIIRS

GOCI



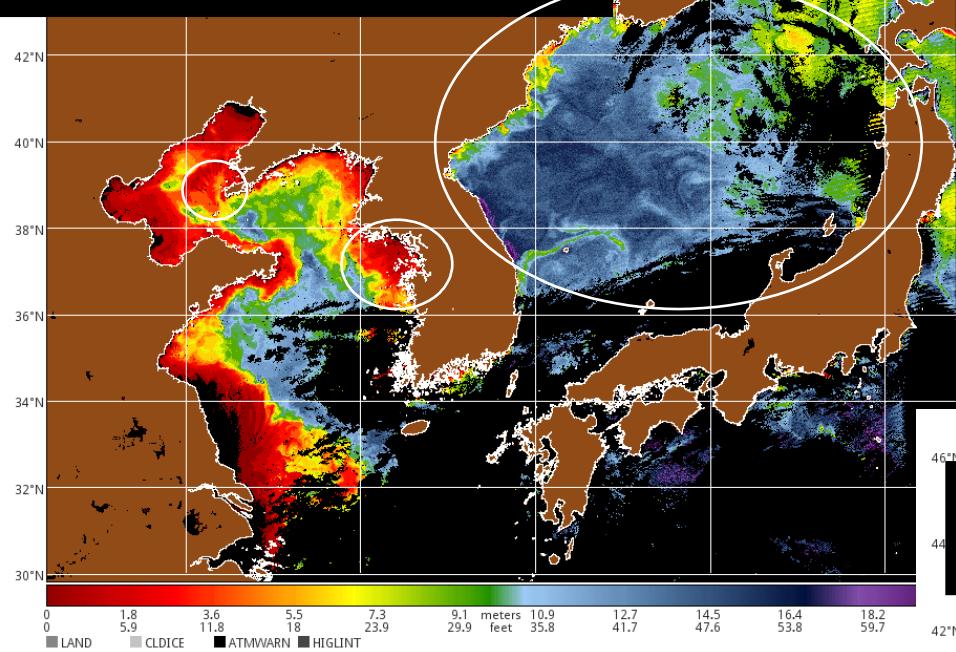
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Vertical Visibility

Thu May 19 03:24:16 2016

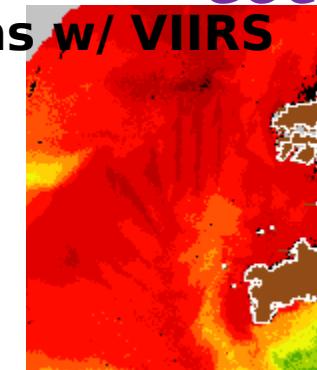
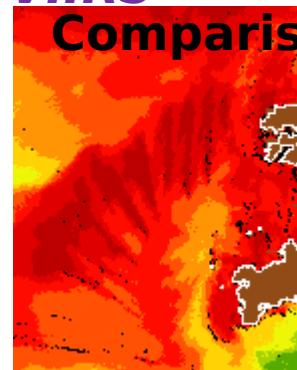
VIIRS - Blended Gains 0500 GMT



May 19, 2016 - vert_vis -

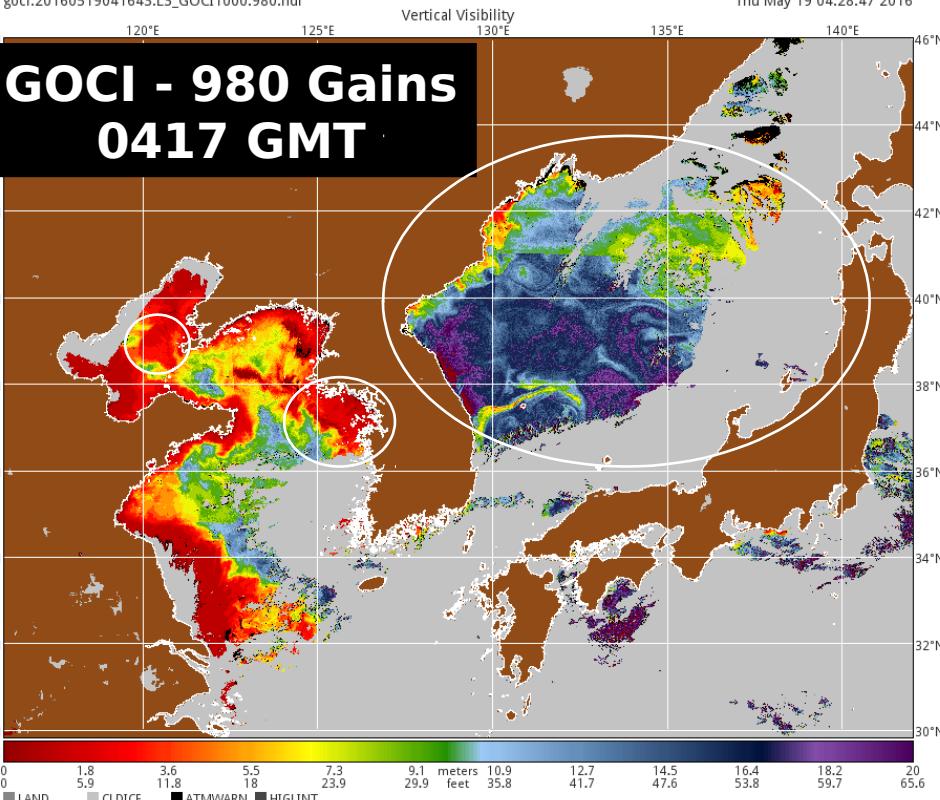
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VIIRS Gain Ensemble Comparisons w/ GOCI



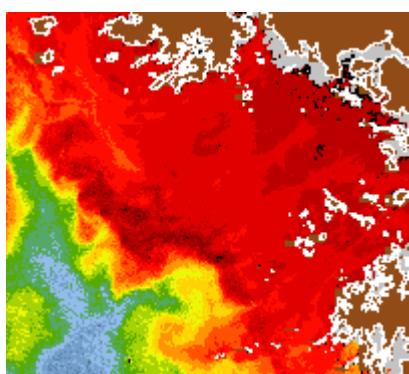
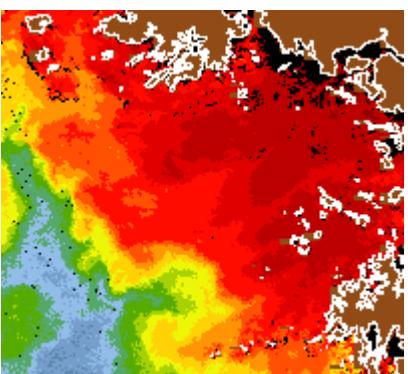
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GOCI - 980 Gains 0417 GMT



VIIRS

GOCI



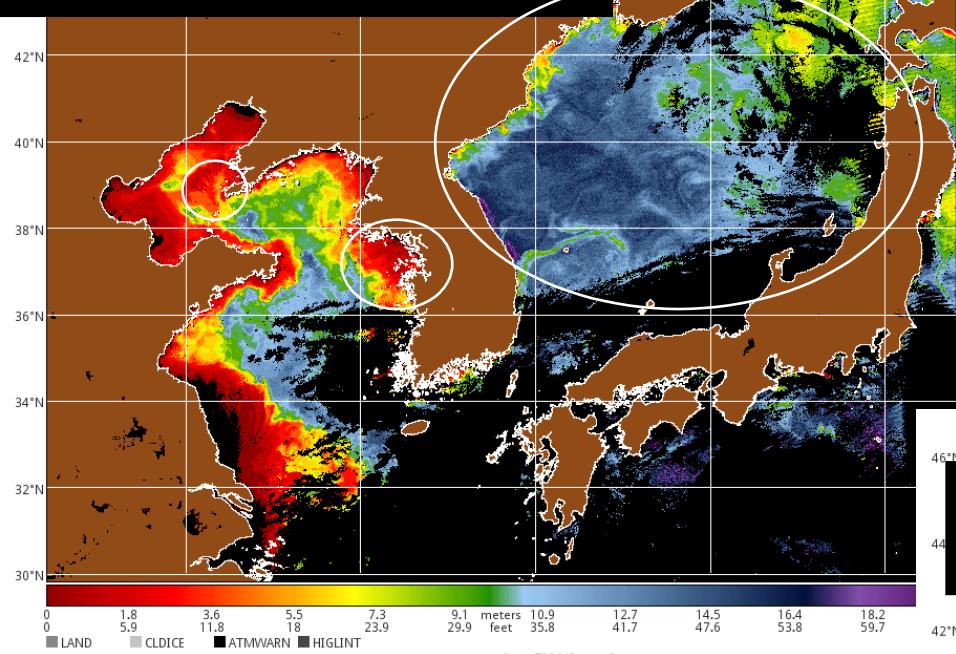
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Vertical Visibility

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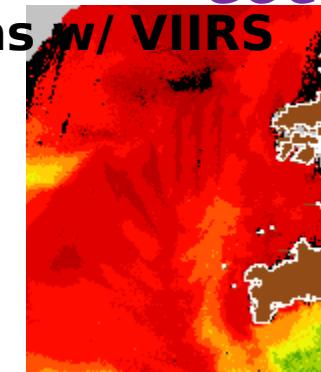
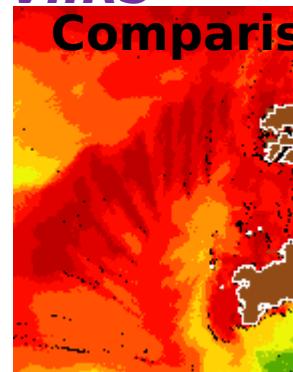
VIIRS - Blended Gains 0500 GMT



May 19, 2016 - vert_vis -

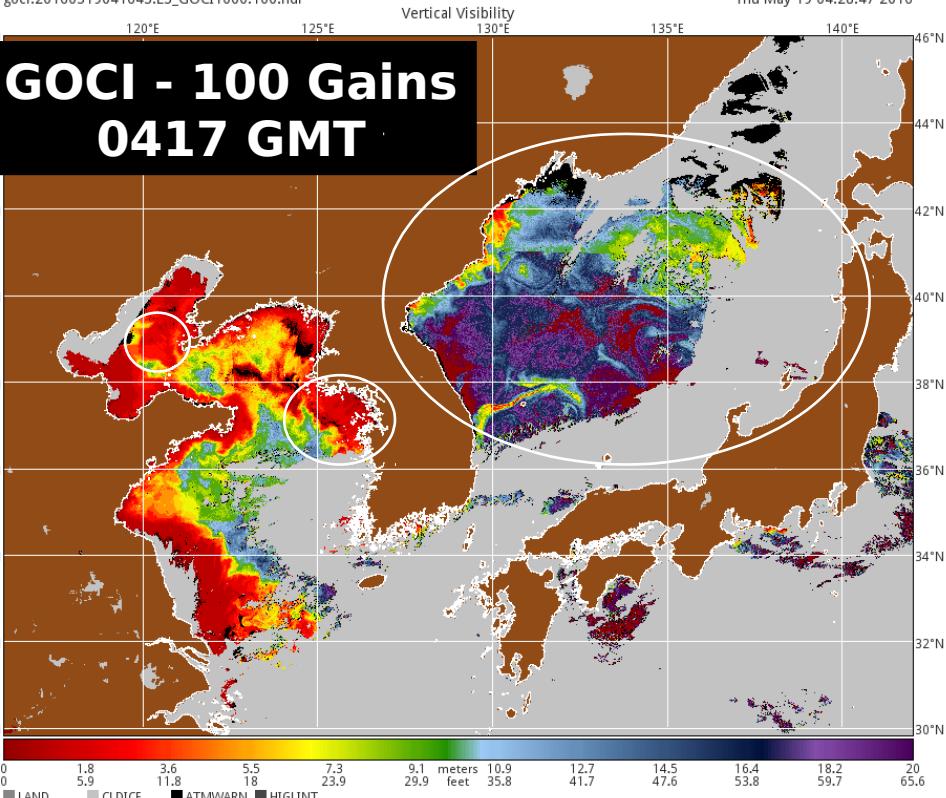
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VIIRS Gain Ensemble GOCI Comparisons w/ VIIRS



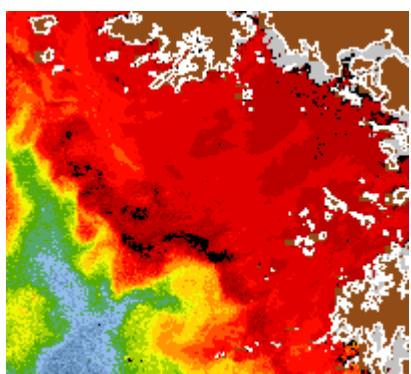
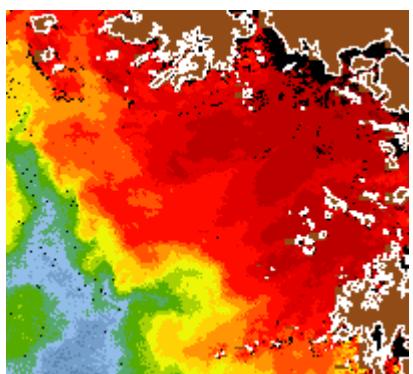
Thu May 19 04:28:47 2016

GOCI - 100 Gains 0417 GMT



VIIRS

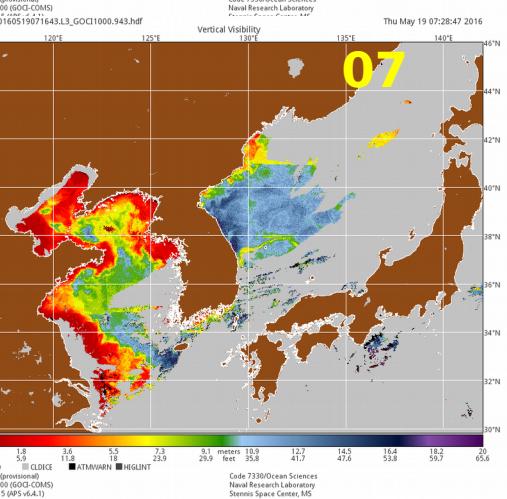
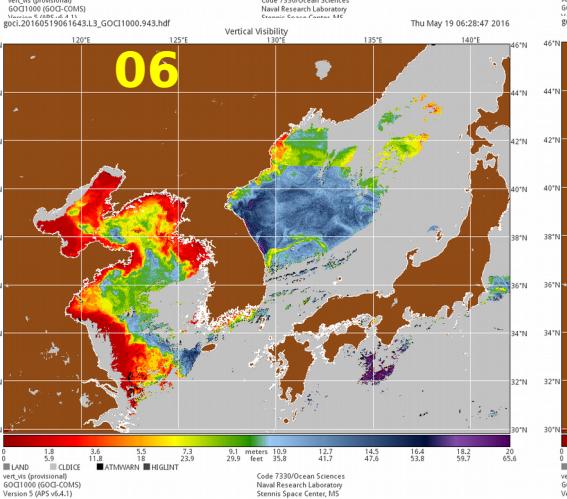
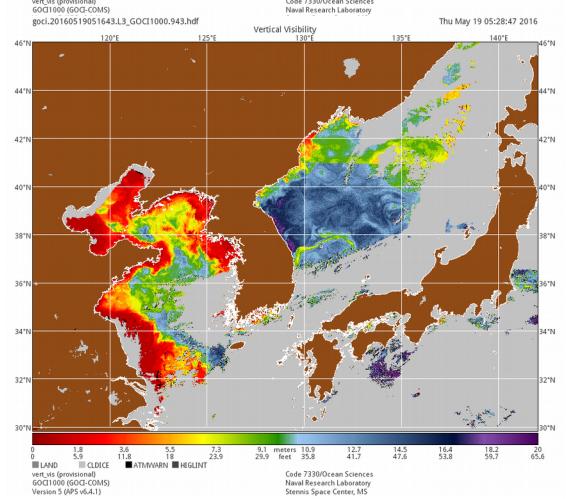
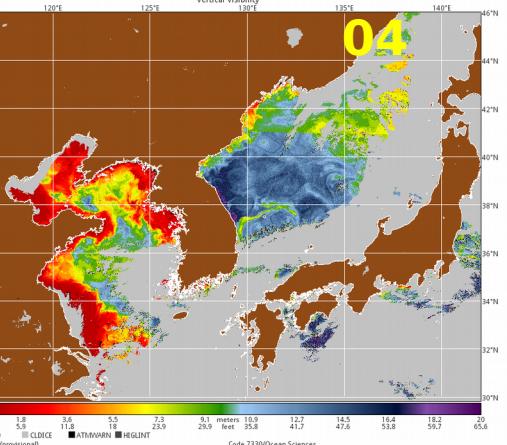
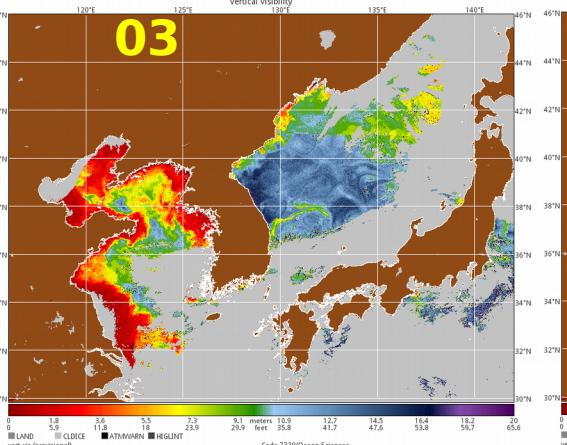
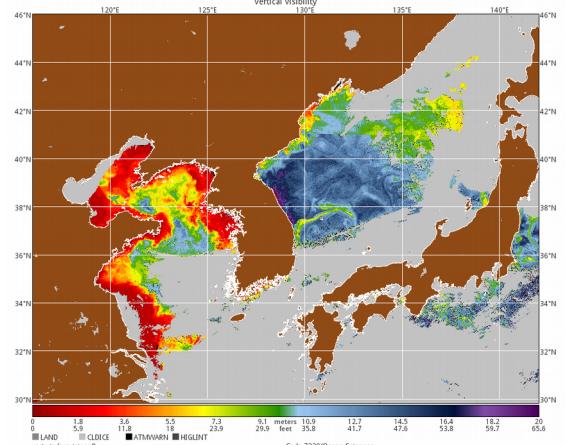
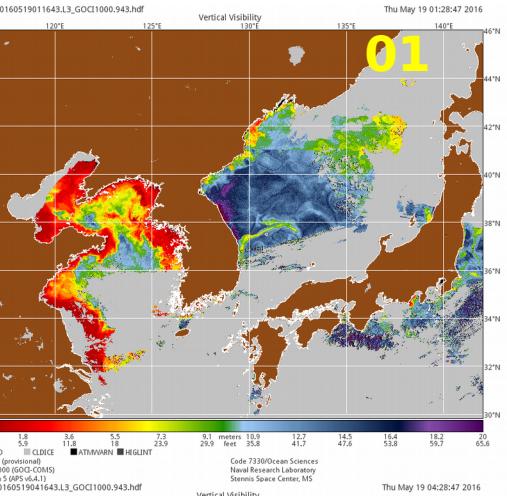
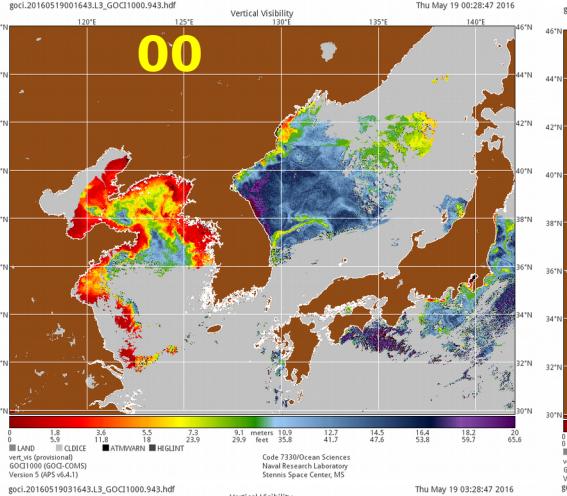
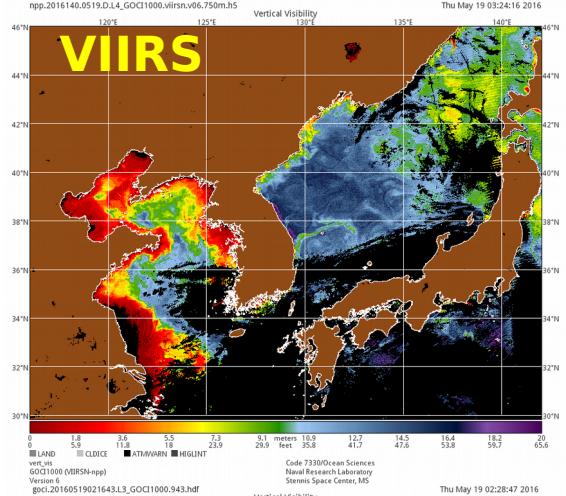
GOCI

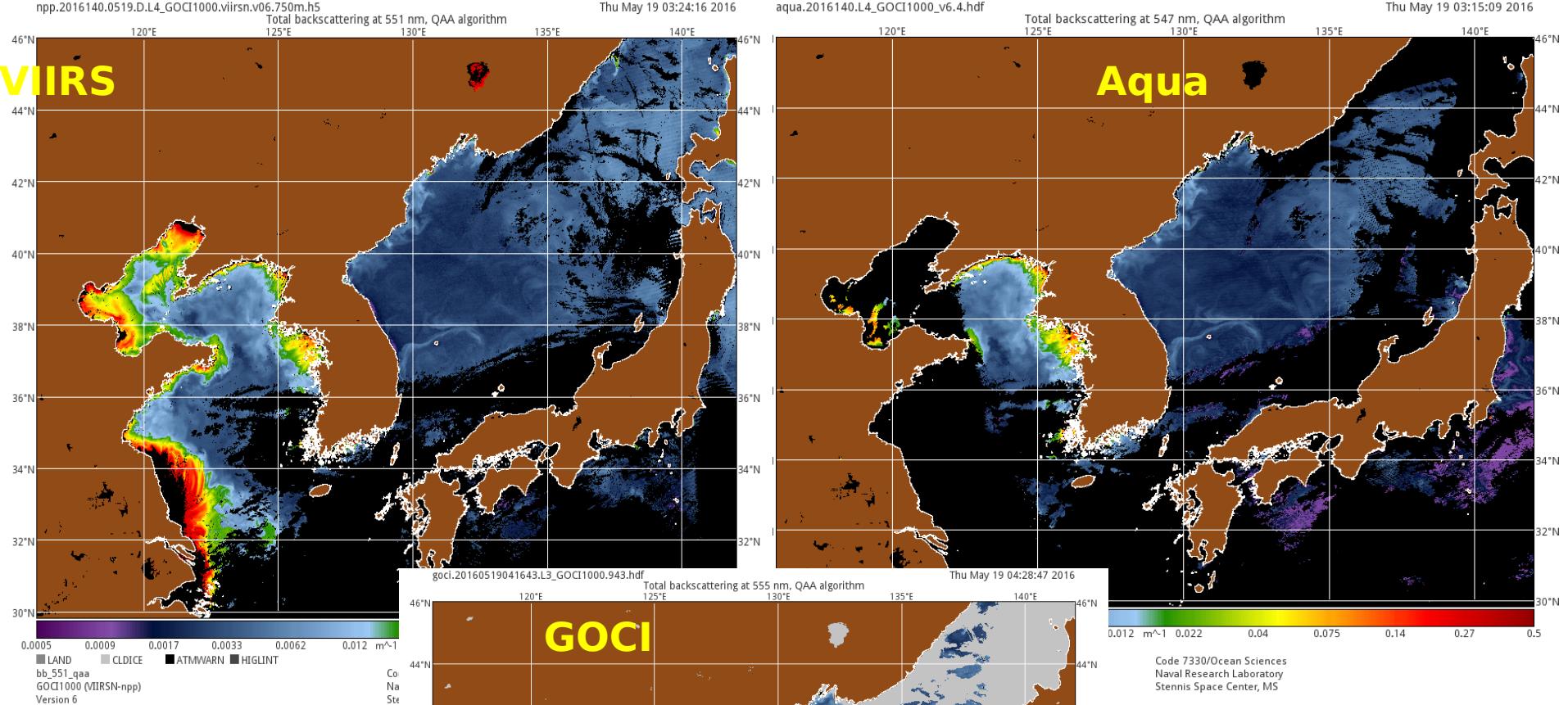


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02 GOCI 943 Gains

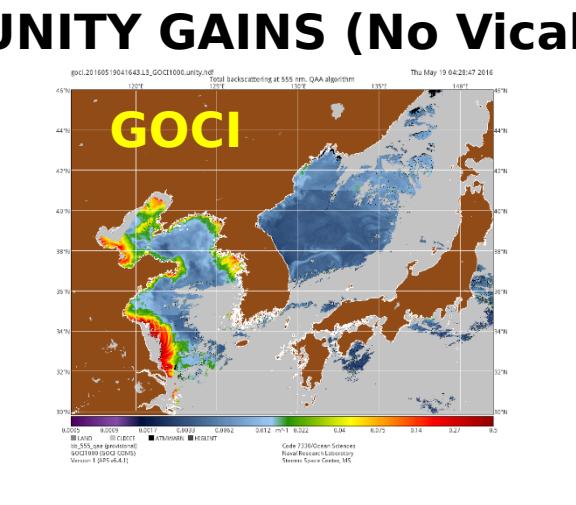
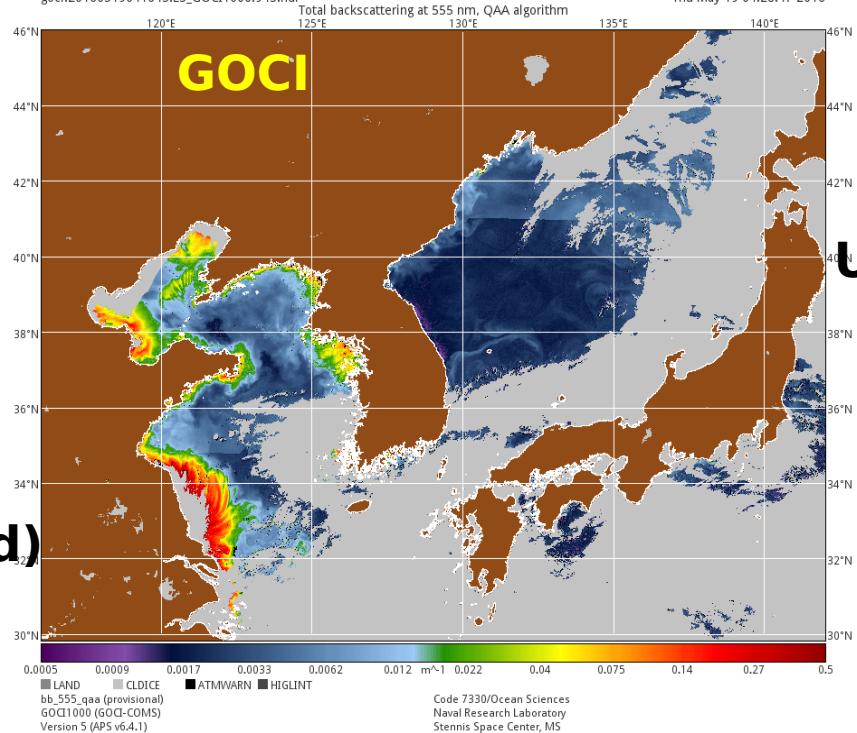
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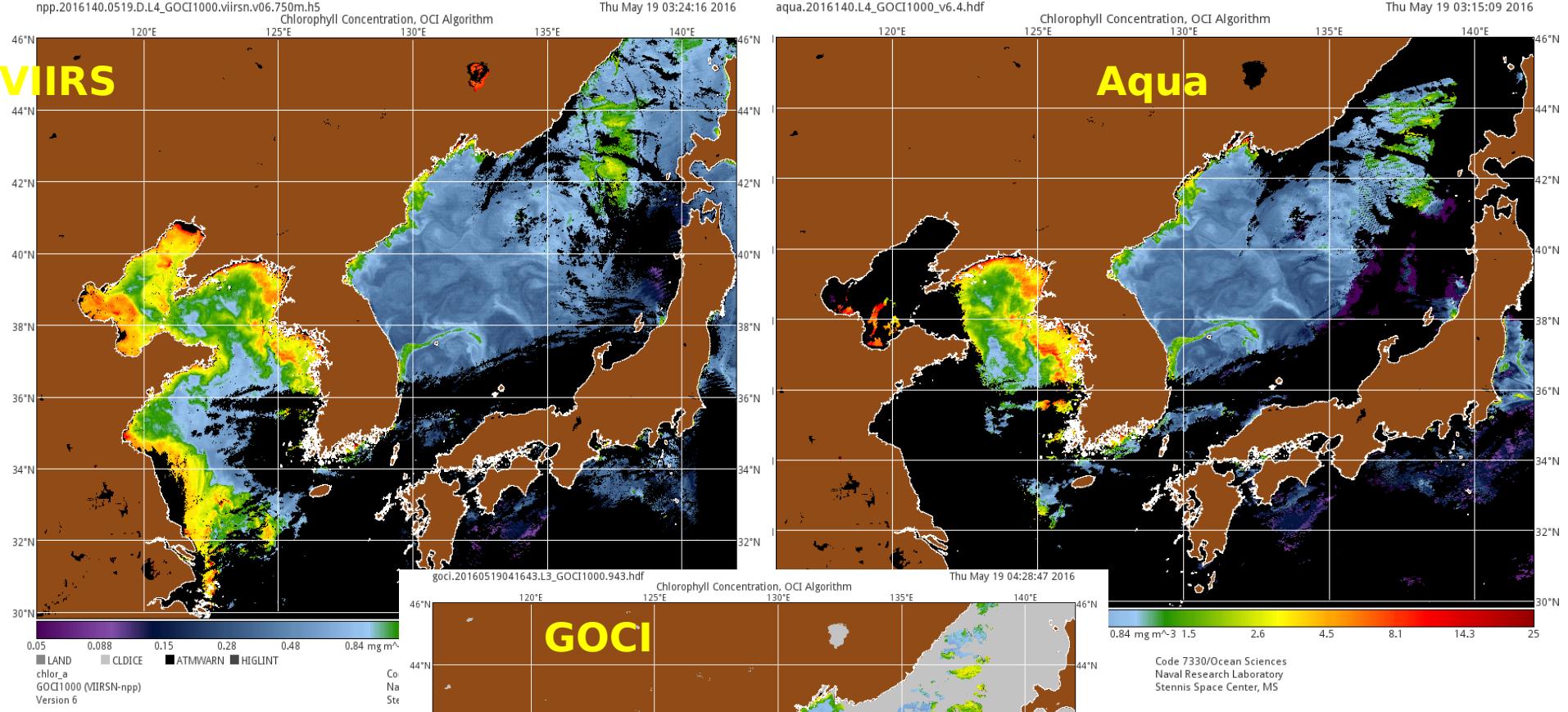




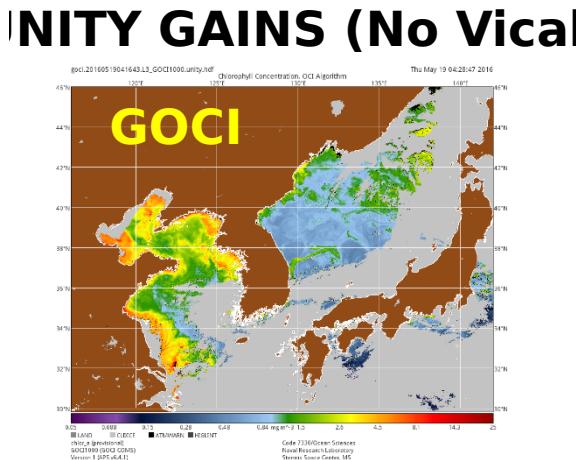
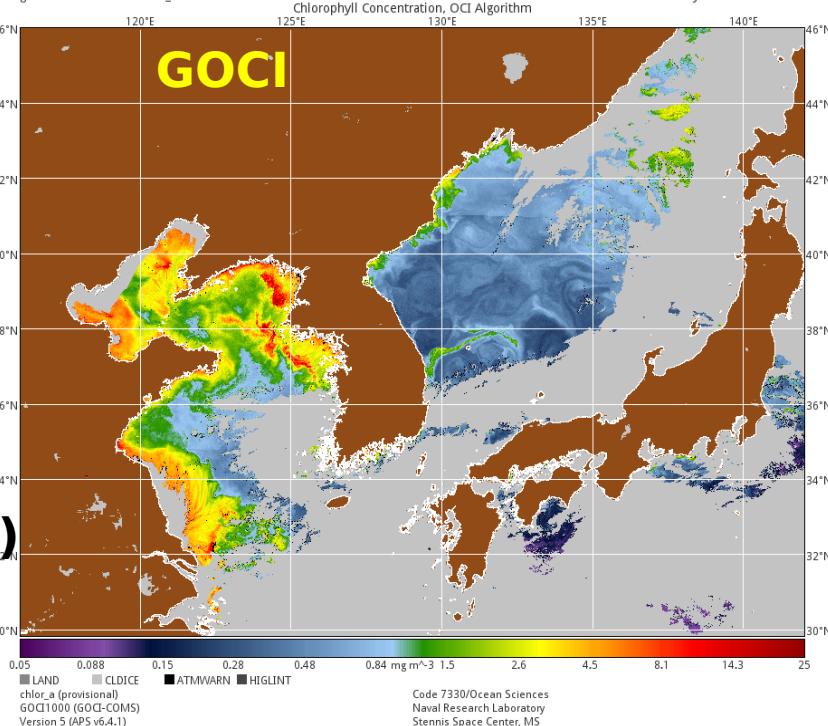
May 19, 2016
AOPS v6.4/v16.0
bb555

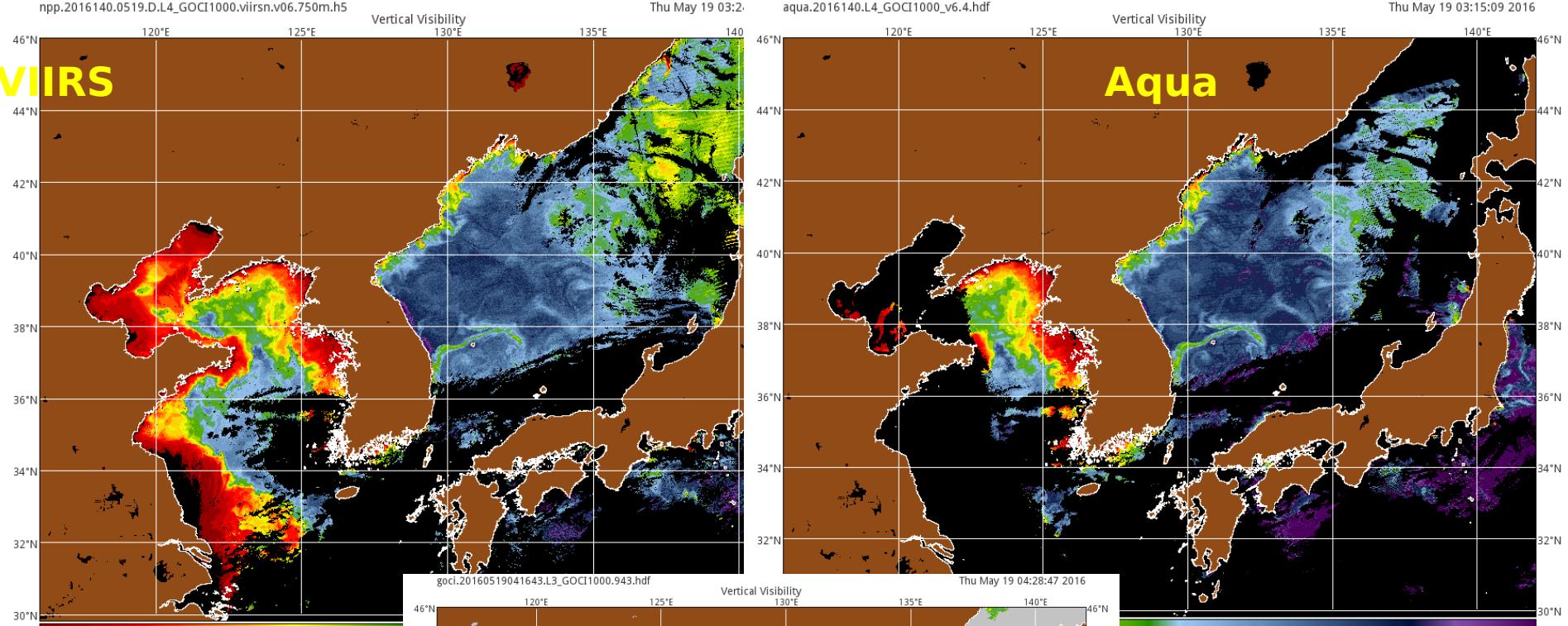
New VIIRS (Blended)
And GO CI (VIIRS)
Gains



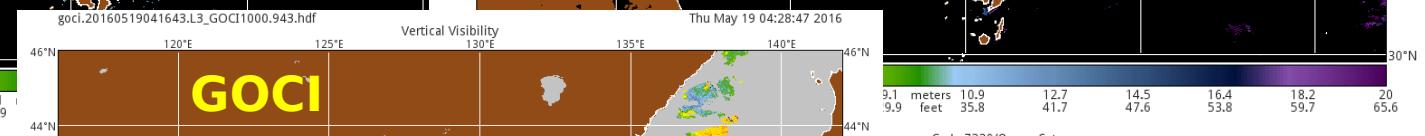


May 19, 2016
AOPS v6.4/v16.0
Chlor_a
New VIIRS (Blended)
And GOCI (VIIRS)
Gains



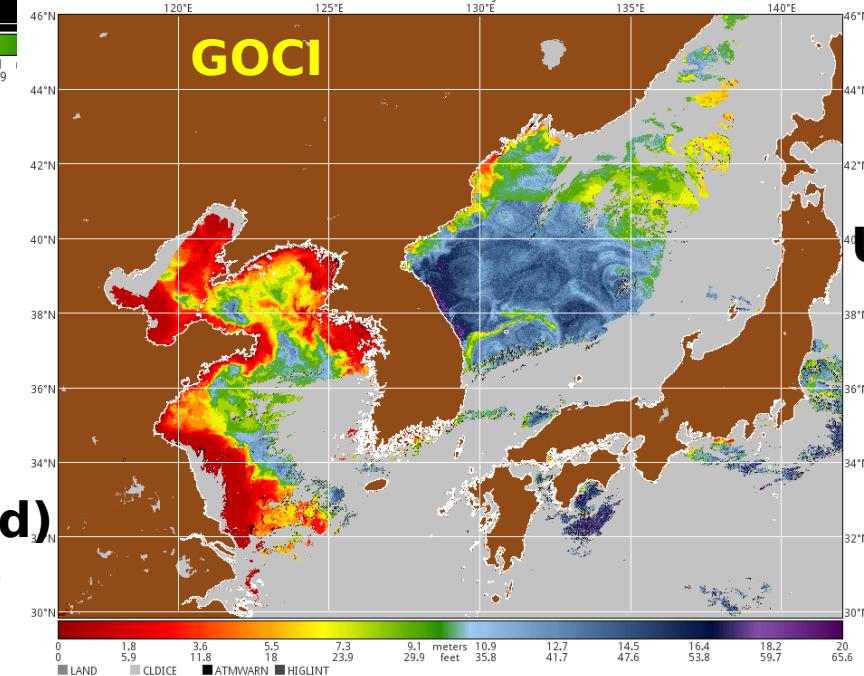


VIIRS
 46°N 44°N 42°N 40°N 38°N 36°N 34°N 32°N 30°N
 120°E 125°E 130°E 135°E 140°E
 0 1.8 3.6 5.5 7.3 9.1 29.9
 ■ LAND ■ CLDICE
 vert_vis GOCI1000 (VIIRSN-npp)
 Version 6



Aqua

Code 7330/Ocean Sciences
 Naval Research Laboratory
 Stennis Space Center, MS



UNITY GAINS (No Vical)

May 19, 2016
 AOPS v6.4/v16.0
Vert_Vis
 New VIIRS (Blended)
 And GOCI (VIIRS)
 Gains

Code 7330/Ocean Sciences
 Naval Research Laboratory
 Stennis Space Center, MS

QUESTIONS:

**Noted differences between VIIRS and
GOCI ensembles in Japan Sea vs. Yellow
Sea...**

**Better Cal/Val if we include an additional
synthetic VIIRS site in Yellow Sea?**

**943 best for all 3 products in comparison
to VIIRS?**

**Did not show MODIS very similar to VIIRS
... Good!**

Seems maybe <943 = 940 need to